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FOUNDED BY JOHN D. ROCKEFELLER

BULLETIN OF INFORMATION

VOL. XXII MAY 1922 No. 4

# REGISTER OF DOCTORS OF PHILOSOPHY OF THE UNIVERSITY OF CHICAGO

## JUNE 1893—DECEMBER 1921

THE UNIVERSITY OF CHICAGO PRESS
CHICAGO, ILLINOIS

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Chicago University

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# DOCTORS OF PHILOSOPHY OF THE UNIVERSITY OF CHICAGO

## SOCIAL SCIENCE GROUP

### PHILOSOPHY[1]

1895 Edward Scribner Ames, Associate Professor of Philosophy, University of Chicago, Chicago, Ill.
Agnosticism in Its Historical Development.

1896 Simon Fraser MacLennan, Professor of Philosophy and Psychology, Oberlin College, Oberlin, Ohio.
The Theory of the Impersonal Judgment.

1898 Addison Webster Moore, Professor of Philosophy, University of Chicago, Chicago, Ill.
Implications of the Teleological Character of Knowledge in Locke's *Essay on the Human Understanding.*

Ernest Carroll Moore, Director, University of California, Southern Branch, Los Angeles, Cal.
The Relation of Education to Philosophy in Greece and the Early Church.

Arthur Kenyon Rogers, Formerly Professor of Philosophy, Yale University, New Haven, Conn.
Psycho-Physical Parallelism.

Amy Eliza Tanner, Head of Department of Experimental Pedagogy, Children's Institute, Worcester, Mass.
Imagery, with Special Reference to Association of Ideas.

1899 Daniel Peter MacMillan, Director of Department of Scientific Pedagogy and Child-Study and Educational Research, Chicago Public Schools, 808 Tribune Building, Chicago, Ill.
The Negative Judgment.

1900 Henry Heath Bawden, Ysidro, Cal.
Theory of the Criterion.

William Franklin Moncrief, Hume Fogg High School, Nashville, Tenn.
Examination of Mill's Inductive Canons.

Henry Waldgrave Stuart, Professor of Philosophy, Leland Stanford Junior University, Stanford University P.O., Cal.
Valuation as a Logical Process.

Helen Bradford Thompson (Mrs. Paul Woolley), Research Fellow, Helen S. Troenstine Foundation, Cincinnati, Ohio, Director of the Nursery School of the Merrill Palmer Foundation, Detroit, Mich.
Psychological Norms in Men and Women.

1901 Myron Lucius Ashley, Professor of Psychology, Chicago Teachers College, Chicago, Ill.
The Nature of Hypothesis.

Willard Clark Gore, Department of Education, Chicago Normal College, Chicago, Ill.
The Imagination in Spinoza and Hume.

1903 Kate Gordon, Associate Professor of Psychology and Education, Carnegie Institute of Technology, Pittsburgh, Pa.
The Psychology of Meaning.

[1] The title of the dissertation submitted for the doctorate is printed after each name.

1904 Elizabeth Kemper Adams, Conway, Mass.
The Aesthetic Experience: Its Meaning in a Functional Psychology.

Werrett Wallace Charters, Professor of Education and Director of Research Bureau of Retail Training, Carnegie Institute of Technology, Pittsburgh.
Methods in History Teaching.

Irving King, Assistant Professor, State University of Iowa, Iowa City, Iowa.
The Differentiation of the Religious Consciousness.

Irving Elgar Miller, Professor and Head of the Department of Education, State Normal School, Bellingham, Wash.
The Significance of the Mathematical Element in the Philosophy of Plato.

1906 Edgar Francis Riley, Director of the Training School and Professor of Education in the State Normal School, Platteville, Wis.
Descartes' Theory of the Judgment.

William Kelley Wright, Assistant Professor of Philosophy, Dartmouth College, Hanover, N.H.
The Ethical Significance of Pleasure, Feeling, and Happiness in Modern Non-Hedonistic Systems.

1907 Matilde Castro, Professor of Education and Director of the Phebe Anna Thorne Model School, Bryn Mawr College, Bryn Mawr, Pa.
The Respective Standpoints of Logic and Psychology.

1908 Anna Louise Strong, Editorial Staff, *Seattle Union Record*, Seattle, Wash.
A Consideration of Prayer from the Standpoint of Social Psychology.

1909 Dagny Gunhilda Sunne, Associate Professor of Psychology, Sophie Newcomb Memorial College, New Orleans, La.
The Development of the Subjective Standpoint in Post-Aristotelian Philosophy.

Ernest Lynn Talbert, Assistant Professor of Psychology and Director of Admissions, University of Cincinnati, Cincinnati, Ohio.
The Dualism of Fact and Idea in Its Social Implications.

1910 Frederick Goodrich Henke, Professor and Head of the Department of Philosophy and Education, Allegheny College, Meadville, Pa.
The Psychology of Ritualism.

Ella Harrison Stokes, Professor of Philosophy and Education, Penn College, Oskaloosa, Iowa.
The Conception of a Kingdom of Ends in Augustine, Aquinas, and Leibnitz.

1911 Elijah Jordan, Professor of Philosophy, Butler College, Indianapolis, Ind.
The Constitutive and Regulative Principles in Kant.

1912 Homer Blosser Reed, Formerly Assistant Professor of Philosophy and Psychology, University of Idaho, Moscow, Idaho.
The Morals of Competition and Monopoly.

Benjamin Whitman Van Riper, Professor of Philosophy, Rockford College, Rockford, Ill.
An Examination of Certain Views of the Time Problem.

Charles Edgar Witter, Principal of the Bryan Hill School, St. Louis, Mo.
Pragmatic Elements in Kant's Philosophy.

1913 John Forsyth Crawford, Professor of Philosophy, Beloit College, Beloit, Wis.
The Relation of Inference to Fact in Mill's *Logic*.

Charles Adam Mohr, Professor of Philosophy, Milton College, Milton, Wis.
The New Realism and the Real.

Julia Jessie Taft, Director, Department of Child Study, Children's Bureau, Philadelphia, Pa.
The Woman Movement from the Standpoint of Personality.

1913 Melicent Eda Waterhouse, Assistant Clinical Psychologist, Wisconsin State Department of Public Instruction, Madison, Wis.
Universality and Necessity versus Novelty.

1914 George Tilden Colman, Vice-Consul, U.S. Consulate, São Paulo, Brazil.
Important Factors in the Transition from Individualistic Ethical Ideals of the Seventeenth Century to Social Ideals of the Nineteenth Century.

Clarence Herbert Hamilton, Professor of Philosophy, University of Nanking, Nanking, China.
A Psychological Interpretation of Mysticism.

Ethel May Kitch, Associate Professor of Philosophy, Oberlin College, Oberlin, Ohio.
Origin and Development of Subjectivity in Hindu Thought.

1916 Josef Roy Geiger, Professor of Philosophy, William and Mary College, Williamsburg, Va.
Religious Aspects of Pragmatism.

Colin Allen McPheeters, Professor of Philosophy, Westminster College, Fulton, Mo.
Moral Standards in Early Kentucky and Missouri.

Carl Conrad Wermli Nicol, Associate Professor of Psychology and Philosophy and Dean of Men, Oberlin College, Oberlin, Ohio.
Influence of Function and Occupation on Ethical Codes.

1917 Clarence Edwin Ayres, Associate Professor of Philosophy, Amherst College, Amherst, Mass.
The Nature of the Relationship between Ethics and Economics.

Esther Crane, Professor and Head of the Department of Philosophy and Psychology, Wilson College, Chambersburg, Pa.
The Place of the Hypothesis in Logic.

William A. Crowley, Assistant Professor of Philosophy, University of Cincinnati, Cincinnati, Ohio.
The Logic of the Greek Physicians.

Jacob Robert Kantor, Assistant Professor of Psychology, Indiana University, Bloomington, Ind.
The Functional Nature of the Philosophical Categories.

1918 Holly Estil Cunningham, Professor and Head of the Department of Philosophy, University of Oklahoma, Norman, Okla.
Three Types of Logical Theory.

Margaret Daniels (Mrs. Solon DeLeon), Instructor, Workers' University of the International Ladies' Garment Workers, New York City.
The Aesthetic Aspects of Religious Worship.

Ephraim Edward Ericksen, Professor of Philosophy, University of Utah, Salt Lake City, Utah.
Psychological and Ethical Aspects of the Mormon Group Life.

Sterling Price Williams, Professor and Head of the Department of Philosophy and Education, Illinois Wesleyan University, Bloomington, Ill.
The Conception of Reason in Sidgwick's Ethics.

Kai-Lok Yen, Professor of Physics, University of Peking, Peking, China.
The Traditional and the Scientific Trends in the Logic of Leibnitz.

1919 Rufus Norman Boardman, New Richmond, Wis.
The Significance of Meaning in Pragmatism and Neo-Realism.

1920 Sidney Kok Wei, Professor of Philosophy, Canton Christian College, Canton, China.
International Relationship in China and Its Ethical, Social, and Political Interpretation.

1921 Edith Ayres Copeland (Mrs. Morris Copeland), Ithaca, N.Y.
Some Ethical Factors in Logical Theory.

1921 Mont Robertson Gabbert, Assistant Professor and Head of the Department of Philosophy, University of Pittsburgh, Pittsburgh, Pa.
Theories of Consciousness.

## PSYCHOLOGY

1903 John Broadus Watson, Research Executive, J. Walter Thompson Advertising Co., New York City.
The Psychic Development of the White Rat Correlated with the Growth of the Nervous System.

1904 Jessie Blount Allen (Mrs. Werrett Wallace Charters), Pittsburgh, Pa.
The Psychology of the Guinea-Pig.

1905 Harvey Carr, Associate Professor of Experimental Psychology, University of Chicago, Chicago, Ill.
Some Visual Illusions Due to Eye Closure.

1907 June Etta Downey, Professor of Philosophy and Psychology, University of Wyoming, Laramie, Wyo.
Control Processes in Handwriting: An Experimental Study of Verbal Imagery.

Grace Maxwell Fernald, Assistant Professor of Psychology, University of California, Southern Branch, Los Angeles, Cal.
The Phenomena of Peripheral Vision as Affected by the Brightness of Background and by Dark Adaptation.

Joseph Peterson, Professor of Psychology, Peabody College for Teachers, Nashville, Tenn.
Ohm's Law in Relation to Some Secondary Phenomena of Hearing.

1908 Walter Van Dyke Bingham, Professor of Psychology and Director of Co-operative Research, Carnegie Institute of Technology, Pittsburgh, Pa.
Studies in Melody and Movement.

Florence Ella Richardson (Mrs. Edward S. Robinson), Chicago, Ill.
Sensory Control Processes in the Rat.

Clarence Stone Yoakum, Professor of Psychology and Director of Bureau of Personnel Research, Carnegie Institute of Technology, Pittsburgh, Pa.
An Experimental Study of Fatigue.

1909 Harvey Andrew Peterson, Professor of Psychology, Illinois State Normal University, Normal, Ill.
The Influence of Complexity and Dissimilarity in Memory.

Arthur Howard Sutherland, Head of the Division of Psychology, Public Schools, Los Angeles, Cal.
Word Association Reactions: A Contribution to the Analysis of Ideational Complexes.

1910 Henry Foster Adams, Associate Professor of Psychology, University of Michigan, Ann Arbor, Mich.
Autokinetic Sensations.

Mabel Ruth Fernald, Director of Vocational Bureau, in charge of Psychological Laboratory, Board of Education, Cincinnati, Ohio.
Diagnosis of Mental Imagery.

Mary Holmes Stevens Hayes, The Scott Co., New York City.
Cutaneous After-Sensations.

Clara Jean Weidensall, Research Assistant in Clinical Medicine, Cincinnati General Hospital, Cincinnati, Ohio.
A Study in Visual Rhythm.

1911 JASPER CONVERSE BARNES, Dean and Professor of Psychology and Education, Maryville College, Maryville, Tenn.
Experimental Analysis of Voluntary Movement.

ETHEL MAY CHAMBERLAIN (Mrs. G. Porter), Torrington, Conn.
The Purkinje Phenomenon.

JOSEPH WANTON HAYES, Crowell Publishing Co., New York City.
Investigation of the Horizontal-Vertical Illusion of Brightness in Foveal Vision.

1912 WALTER SAMUEL HUNTER, Professor of Psychology, University of Kansas, Lawrence, Kan.
The Delayed Reaction.

FLEMING ALLEN CLAY PERRIN, Adjunct Professor of Psychology, University of Texas, Austin, Tex.
An Experimental and Introspective Study of the Human Learning Process in the Maze.

CARL LEO STAHR RAHN, Instructor in Psychology, University of Illinois, Urbana, Ill.
A Critical and Constructive Study of the Psychology of Thinking.

STELLA BURNHAM VINCENT, Instructor in Psychology, Chicago Teachers College, Chicago, Ill.
The Function of Vibrissae in the Behavior of the White Rat.

1913 EDWINA ABBOTT (MRS. AUSTIN M. COWAN), Consulting Psychologist, Wichita, Kan.
The Difference Limen in Temperature Sensations.

1914 ELLSWORTH FARIS, Professor of Sociology, University of Chicago, Chicago, Ill.
The Psychology of Punishment.

ROBERTS BISHOP OWEN, Boston, Mass.
The Psychology of Recognition.

1915 HARRY DEXTER KITSON, Professor of Psychology, University of Indiana, Bloomington, Ind.
The Scientific Study of the College Student.

1916 LOUIS AUGUSTUS PECHSTEIN, Professor and Head of the Department of Psychology and Education, University of Rochester, Rochester, N.Y.
Methods in Motor Learning.

SARAH MARGARET RITTER, Professor of Philosophy, Psychology and Education, Woman's College of Alabama, Montgomery, Ala.
The Vertical-Horizontal Illusion—An Experimental Study of Disparities in the Normal Visual Field.

LOUIE WINFIELD WEBB, Associate Professor of Psychology and Education, Northwestern University, Evanston, Ill.
Transfer of Training and Retroaction, a Comparative Study.

1917 ADA HART ARLITT, Associate Professor of Education, Bryn Mawr College, Bryn Mawr, Pa.
Effect of Alcohol on the Intelligent Behavior of the White Rat.

SHOAN MASUZO FUKUYA, Professor of Psychology, Aoyama Normal School, Tokyo, Japan.
Effects of Attention upon the Efficiency of Intellectual Functions.

EDWARD SAFFORD JONES, Assistant Professor of Psychology, Oberlin College, Oberlin, Ohio.
The Influence of Age and Experience on Correlations Connected with Mental Tests.

CONRAD LUND KJERSTAD, Professor and Head of the Department of Psychology and Education, State Normal School, Valley City, N.D.
The Form of the Learning Curve.

1917 John Christian Peterson, Professor of Psychology, Kansas State Agricultural College, Manhattan, Kan.
An Experimental Study of the Higher Mental Processes in Learning.

Curt Rosenow, Assistant Professor of Psychology, University of Kansas, Lawrence, Kan.
Analysis of Mental Functions.

Beardsley Ruml, Assistant to the President, Carnegie Corporation, New York City.
The Reliability of Mental Tests in the Division of an Academic Group.

Louis Leon Thurstone, Associate Professor of Psychology, Carnegie Institute of Technology, Pittsburgh, Pa.
The Learning Curve Equation.

Rutledge Thornton Wiltbank, Professor and Head of the Department of Psychology, Knox College, Galesburg, Ill.
Transfer of Learning in Animals.

Harry Hanes Wylie, Professor of Education and Director of Extension, Geneva College, Beaver Falls, Pa.
An Experimental Study of Transfer of Response in White Rats.

1920 Forrest Alva Kingsbury, Assistant Professor of Psychology, University of Chicago, Chicago, Ill.
A Group Intelligence Scale for Primary Grades.

Chih Wei Luh, Professor of Psychology, College of Nanking, China.
The Conditions of Retention.

Edward Stevens Robinson, Assistant Professor of Psychology, University of Chicago, Chicago, Ill.
Some Factors Determining the Degree of Retroactive Inhibition.

Margaret Wooster, Assistant Professor of Psychology, Beloit College, Beloit, Wis.
Certain Factors in the Formation of a New Spatial Co-ordination.

Joseph Ussery Yarbrough, Professor of Psychology, Southern Methodist University, Dallas, Tex.
Influence of Time Interval upon the Rate of Learning in the White Rat.

1921 Helen Lois Koch, Instructor in Educational Psychology, University of Texas, Austin, Tex.
The Influence of Mechanical Guidance upon Maze Learning.

Katherine Eva Ludgate, Instructor in Psychology, University of Minnesota, Minneapolis, Minn.
The Effect of Manual Guidance upon Maze Learning.

## EDUCATION

1900 †William Arthur Clark,
Suggestion in Education.

†Ella Flagg Young.
Isolation in the School.

1901 Samuel Bower Sinclair, Inspector of Auxiliary Classes, Ontario Department of Education, Toronto, Canada.
Possibility of a Science of Education.

1902 Katherine Elizabeth Dopp, Author, 5730 Drexel Ave., Chicago, Ill.
The Place of Industries in Elementary Education.

1904 John T. McManis, Principal, High School, Templeton, Cal.
The Development of the Elementary Course of Study in the First Half of the Nineteenth Century.

† Deceased.

1906 Albert Allison Farley, Professor of Education, State Normal School, Oshkosh, Wis.
The Rise of the Free Public School Idea in America.

Daniel Ambrose Tear, Principal, Holmes School, Chicago, Ill.
The Logical Basis of Educational Theory from the Standpoint of Instrumental Logic.

1909 Lilla Estelle Appleton, Head, Department of Education and Psychology, Oxford College for Women, Oxford, Ohio.
A Comparative Study of the Play Activities of Adult Savages and Civilized Children, with the Pedagogical Deductions Therefrom.

Joseph Kinmot Hart, Associate Editor of *The Survey*, New York City.
A Study of Moral Education from the Standpoint of Mental Development.

1911 John Addison Clement, Associate Professor of Education, Northwestern University, Evanston, Ill.
Standardization of the Schools of Kansas.

1914 Clara Schmitt, Child-Study Department, Board of Education, Chicago, Ill.
Standardization of Tests for Defective Children.

1915 Fred Carleton Ayer, Professor of Education, University of Washington, Seattle, Wash.
The Psychology of Drawing, with Special Reference to Laboratory Teaching.

Edward Alanson Miller, Professor of Education, Oberlin College, Oberlin, Ohio.
History of Educational Legislation of Ohio from 1803 to 1850.

Walter Scott Monroe, Professor of Education and Director of Educational Research, University of Illinois, Urbana, Ill.
A History of Arithmetics in the United States, with Emphasis upon the Influence of Warren Colburn in Directing the Development of Arithmetic as a School Subject.

Rolla Milton Tryon, Associate Professor of the Teaching of History, College of Education, University of Chicago, Chicago, Ill.
Household Manufactures in the United States, 1640–1860.

1916 George Sylvester Counts, Associate Professor of Secondary Education, Yale University, New Haven, Conn.
Arithmetic Tests and Studies in the Psychology of Arithmetic.

Clarence Truman Gray, Professor of Education, University of Texas, Austin, Tex.
Experimental Studies of Various Types of Readers.

William Scott Gray, Professor of Education and Dean of the College of Education, University of Chicago, Chicago, Ill.
Studies of Elementary-School Reading through Standardized Tests.

Elsie Garland Hobson, Head Mistress of the Phebe Anna Thorne Model School, Bryn Mawr College, Bryn Mawr, Pa.
Educational Legislation and Administration in the State of New York from 1775 to 1850.

Leonard Vincent Koos, Professor of Secondary Education, University of Minnesota, Minneapolis, Minn.
The Administration of Secondary-School Units.

Benjamin Floyd Pittenger, Associate Professor of Education, University of Texas, Austin, Tex.
The Efficiency of College Students as Related to Their Age at Entrance and to the Size of High School from Which They Came.

1916 William Anton Smith, Assistant Professor of Education, University of California, Southern Branch, Los Angeles, Cal.
An Experimental Study in the Psychology of Reading.

James Reed Young, Professor of Education, University of Nevada, Reno, Nev.
Relation of the Church and Clergy to Education in the American Colonies.

1917 Rollo LaVerne Lyman, Associate Professor of the Teaching of English, College of Education, University of Chicago, Chicago, Ill.
The Professor of English Grammar in American Schools to 1850.

1918 John Elbert Stout, Professor of Administration in Religious Education, Northwestern University, Evanston, Ill.
Development of the High-School Curriculum in the North Central States, 1860–1900.

1919 William Leeds Richardson, Professor and Head of the Department of Education, Butler College, Indianapolis, Ind.
The Administration of Schools in the Cities of the Dominion of Canada.

Lewis Wilbur Smith, Principal, Township High School and Junior College, Joliet, Ill.
Illinois High Schools. Their Organization, Maintenance, Administration, and Instruction, with Particular Reference to the Township High School.

William Henington Weathersby, Professor of Education, Mississippi College, Clinton, Miss.
A History of Educational Legislation in Mississippi from 1798–1860.

1920 Guy Thomas Buswell, Assistant Professor of Education, University of Chicago, Chicago, Ill.
An Experimental Study of the Eye-Voice Span in Reading.

Charles Myron Reinoehl, Professor of School Administration, University of Arkansas, Fayetteville, Ark.
Analytic Survey of State Courses of Study for Rural Elementary Schools.

Martin James Stormzand, Associate Professor of Education, University of Southern California, Los Angeles, Cal.
The Content of School Courses in English Grammar.

Paul Washington Terry, Assistant Professor of Education, University of Washington, Seattle, Wash.
An Experimental Study of the Reading of Isolated Numerals and of Numerals in Arithmetical Problems.

1921 Thomas Dudley Brooks, Professor of School Administration and Chairman, School of Education, Baylor University, Waco, Tex.
The Intermediate Unit in State School Systems, with Especial Reference to New York.

Julian Ashby Burruss, President, Virginia Polytechnic Institute, Blacksburg, Va.
A Study of the Business Administration of Colleges, Based on an Examination of the Practices of Land-Grant Colleges in the Making and Using of Budgets.

Frederick Butler Harrington, Assistant Professor of Education, University of Montana, Missoula, Mont.
History of Educational Legislation in New Jersey from 1776 to 1867.

Charles Sutphin Pendleton, Professor of the Teaching of English, Peabody College, Nashville, Tenn.
A Study of the Social Objectives of English Instruction in High School and Elementary School.

1921 Ward Glen Reeder, Head of the Department of Education, and Director of Educational Measurements, State Teachers College, Moorhead, Minn.
The Organization of State Departments of Education.

Willis Lemon Uhl, Associate Professor of Education, University of Wisconsin, Madison, Wis.
Scientific Determination of the Content of the Elementary-School Course in Reading.

## POLITICAL ECONOMY

1894 John Cummings, Statistician, Federal Board for Vocational Education, Washington, D.C.
The Poor Law System of the United States.

1897 Henry Rand Hatfield, Professor of Accounting and Dean of the Faculties, University of California, Berkeley, Cal.
Municipal Bonding in the United States.

Simon James McLean, Member of Board of Railway Commissioners for Canada, Ottawa, Canada.
The Railway Policy of Canada.

George Gerard Tunell, Secretary of the Board of Pensions of the Atchison, Topeka & Santa Fe Railway System, Chicago, Ill.
Transportation on the Great Lakes of North America.

1898 Herbert Joseph Davenport, Professor of Political Economy, Cornell University, Ithaca, N.Y.
The French War Indemnity.

Henry Parker Willis, Professor of Economics, Columbia University, New York City.
History of the Latin Monetary Union.

1899 Harry Alvin Millis, Professor of Political Economy, University of Chicago, Chicago, Ill.
History of the Finances of the City of Chicago.

Wesley Clair Mitchell, Professor of Economics, Columbia University, New York City.
History of the United States, Notes.

1900 Katharine Bement Davis, General Secretary, Bureau of Social Hygiene, New York City.
Causes Affecting the Standard of Living and Wages.

Worthy Putnam Sterns, Special Examiner in the Bureau of Corporations, Department of Commerce and Labor, Washington, D.C.
Studies in the Foreign Trade of the United States.

1901 †Robert Samuel Padan.
Studies in Interest.

1903 Charles Criswell Arbuthnot, Professor of Economics, Western Reserve University, Cleveland, Ohio.
The Development of the Corporation and the Entrepreneur Function.

Stephen Butler Leacock, Head of the Department of Economics and Political Science, McGill University, Montreal, Canada.
The Doctrine of *Laissez Faire*.

1904 Murray Shipley Wildman, Professor and Head of the Department of Economics, Stanford University, Stanford University, Cal.
The Economic and Social Conditions Which Explain Inflation Movements in the United States.

1905 Edith Abbott, Associate Professor of Social Service Administration in the Graduate School of Social Service Administration, University of Chicago, Chicago, Ill.
A Statistical Study of the Wages of Unskilled Labor in the United States, 1830-1900.

† Deceased.

1905 Earl Dean Howard, Professor of Economics, Northwestern University, Evanston, Ill.
The Recent Industrial Progress of Germany.

†Robert Franklin Hoxie.
An Analysis of the Concepts of Demand and Supply in Their Relation to Market Price.

1906 Albert Newton Merritt, Secretary-Treasurer, Wholesale Grocers Exchange, Chicago, Ill.
Federal Regulation of Railway Rates.

1907 Donald Elliott Bridgman, Attorney, 801 First National-Soo Line Bldg., Minneapolis, Minn.
Economic Causes of Large Fortunes.

1908 Eugene Bryan Patton, Statistitian, Bureau of Labor, Albany, N.Y.
The Resumption of Specic Payment in 1879.

Oscar Douglas Skelton, Professor of Political Science, Queen's University, Kingston, Canada.
An Examination of Marxian Theory.

William Walker Swanson, Professor of Economics, University of Saskatchewan.
The Establishment of the National Banking System.

Anna Pritchett Youngman, Research Assistant, Division of Analysis and Research, Federal Reserve Board; Lecturer in Banking, School of Business, Columbia University, New York City.
The Economic Causes of Large Fortunes.

1909 George Asbury Stephens, Economist, Federal Trade Commission, and Professor of Insurance, American University, Washington, D.C.
Influence of Trade Education upon Wages.

1910 Edgar Hutchinson Johnson, Professor of History and Economics, Emory College, Oxford, Ga.
The Economics of Henry George's *Progress and Poverty*.

1912 Isaac Lippincott, Professor of Economic Resources, Washington University, St. Louis, Mo.
The Industrial History of the Ohio Valley to 1860.

1913 James Dysart Magee, Associate Professor of Economics, New York University, New York City.
Money and Prices: A Statistical Study of Price Movements.

1914 William John Alexander Donald, Managing Director, National Personnel Association, New York City.
The History of the Canadian Iron and Steel Industry.

Harold Glenn Moulton, Head of the Institute of Economics, Washington, D.C.
Waterways versus Railways.

1915 Duncan A. MacGibbon, Professor and Head of the Department of Economics, University of Alberta, Edmonton, Canada.
Railway Rates and the Canadian Railway Commission.

Edwin Griswold Nourse, Professor of Agricultural Economics, Iowa State Agricultural College, Ames, Iowa.
A Study in Market Mechanism as a Factor in Price Determination.

1916 Frederick Benjamin Garver, Professor of Economics, University of Minnesota, Minneapolis, Minn.
The Subvention in the State Finances of Pennsylvania.

1918 Sumner Huber Slichter, Assistant Professor of Economics, Cornell University, Ithaca, N.Y.
The Turnover of Labor.

1920 Clarence Elmore Bonnett, Professor of Economics, Tulane University, New Orleans, La.
Employers' Associations.

† Deceased.

1920 Harold Adams Innis, Lecturer in Political Economy, University of Toronto, Toronto, Canada.
History of the Canadian Pacific Railway.

Hazel Kyrk, Ashley, Delaware Co., Ohio.
The Consumer's Guidance of Economic Activity.

Edward Becker Mittelman, Instructor in Economics and Sociology, Oregon Agricultural College, Corvallis, Ore.
History of Trade Unionism, 1833–1839.

1921 Morris Albert Copeland, Instructor in Political Economy, Cornell University, Ithaca, N.Y.
Some Phases of Institutional Value Theory.

Carter Lyman Goodrich, Economist, °/o Memorial Fellowship Committee, Amherst College, Amherst, Mass.
The Frontier of Control, a Study in British Workshop Politics.

Leverett Samuel Lyon, Assistant Professor of Commercial Organization in the School of Commerce and Administration, University of Chicago, Chicago, Ill.
A Functional Approach to Social-Economic Data.

William Marshall Walter Splawn, Professor of Economics, University of Texas, Austin, Tex.
The Railroad Commission of Texas.

## POLITICAL SCIENCE

1898 Lawrence Boyd Evans, Boston, Mass.
The Development of Government in Illinois.

Ethel Glover Hatfield (Mrs. Henry R. Hatfield), Berkeley, Cal.
The Department of the Interior.

Anna Long Dolman Inskeep, 1050 E. Thirtieth St., Oakland, Cal.
Local Government in California to 1879.

1899 Samuel Childs Mitchell, Professor of History and Political Science, University of Richmond, Richmond, Va.
The Change from Colony to Commonwealth in Virginia.

1901 Sophonisba Preston Breckinridge, Associate Professor of Social Economy in the Department of Household Administration, University of Chicago, Chicago, Ill.
Legal Tender: A Study in English and American Monetary History.

1902 Jeremiah Simeon Young, Professor of History and Political Science, University of Minnesota, Minneapolis, Minn.
The Cumberland Road.

1905 Walter Fairleigh Dodd, Legislative Reference Bureau, Springfield, Ill
The State Governments of the American Revolution.

1907 Ira Calvert Hamilton, Mt. Greenwood, Ill.
The History of Administration in Illinois.

Augustus Raymond Hatton, Professor of Political Science, Western Reserve University, Cleveland, Ohio.
An Introduction to the Study of Civil Service Reform in the United States.

1908 Samuel MacClintock, Editorial Adviser, Department of Commerce, Washington, D.C.
Federal Legislation Regarding Aliens.

Susan Wade Peabody, 5515 Woodlawn Ave., Chicago, Ill.
The Relation of Government to Public Health.

1915 †Eldon Cobb Evans.
The History of the Australian Ballot in the United States

1918 Kirk Harold Porter, Assistant Professor of Political Science, State University of Iowa, Iowa City, Iowa.
A History of Suffrage in the United States.

† Deceased.

1921 Christen Jensen, Professor of Political Science, Brigham Young University, Provo, Utah.
The Pardoning Power in the American States.

Leonard Dupee White, Associate Professor of Political Science, University of Chicago, Chicago, Ill.
The Origin of Utility Commissions in Massachusetts.

## HISTORY

1895 John William Perrin, Librarian, Case Library, Cleveland, Ohio.
The History of Compulsory Education in New England.

James Westfall Thompson, Professor of Medieval History, University of Chicago, Chicago, Ill.
The Development of the French Monarchy under Louis VI.

1896 †George Pierce Garrison.
History of Federal Control of Congressional Elections.

1897 James Fosdick Baldwin, Professor of History, Vassar College, Poughkeepsie, N.Y.
Scutage and Knight Service.

Charles Truman Wyckoff, Professor and Head of the Department of History, Bradley Polytechnic Institute, Peoria, Ill.
The Feudal Relations between the Crowns of England and Scotland under the Early Plantagenets.

1898 Ernest Alanson Balch, Professor of History, Kalamazoo College, Kalamazoo, Mich.
Recent Phases of Reciprocity in the United States.

James Walter Fertig, President, State Normal School, Murfreesboro, Tenn.
Secession and Reconstruction of Tennessee.

Cora Louise Scofield, College Club, Boston, Mass.
Studies in the Court of Star Chamber.

1899 †William Rullkoetter.
Legal Protection of Women in Ancient German Society.

Henry Lawrence Schoolcraft, 208 S. La Salle St., Chicago, Ill.
The Genesis of the Grand Remonstrance.

1900 Frank George Franklin, Librarian, Willamette University, Salem, Ore.
Naturalization in the United States with Especial Reference to Its Legislative History from the Declaration of Independence to the Civil War.

Walter Flavius McCaleb, Vice-President and Manager, Co-operative National Bank, Cleveland, Ohio.
The Aaron Burr Conspiracy.

Edwin Erle Sparks, Pennsylvania State College, State College, Pa.
The Cumberland National Road as a Union-Making Factor.

1901 Norman Dwight Harris, Professor and Head of the Department of Political Science, Northwestern University, Evanston, Ill.
The History of Negro Servitude and Slavery Agitation in Illinois.

Paul Frederick Peck, Professor of History, Iowa College, Grinnell, Iowa.
The Development of the Theory of Succession under the Early Norman Kings.

George Clarke Sellery, Professor of History and Dean of the College of Liberal Arts, University of Wisconsin, Madison, Wis.
The Suspension of Habeas Corpus during the Civil War.

† Deceased

1901 John Olaf Sethre, Teacher, Carlisle, Minn.
The Political History of Minnesota Prior to Her Admission into the Union.

1902 †Ralph Charles Henry Catterall.
The Second United States Bank.

Regina Katharine Crandall, Professor of English, Bryn Mawr College, Bryn Mawr, Pa.
Genet's Mission.

Elmer Cummings Griffith, Professor of History, University of Cincinnati, Cincinnati, Ohio.
The Rise and the Development of the Gerrymander.

Edgar Holmes McNeal, Professor of European History, Ohio State University, Columbus, Ohio.
Minores and Mediocres in German Tribal Codes.

1904 Frances Gardiner Davenport, Assistant in the Bureau of Historical Research, Carnegie Institution, Washington, D.C.
The Economic Development of a Norfolk Manor, 1086–1565.

William Ray Manning, Economist, Division of Latin-American Affairs, Department of State, Washington, D.C.
The Nootka Sound Controversy.

Charles Oscar Paullin, Carnegie Institution, Washington, D.C.
The Administration of the Department of the Navy during the Revolution.

1906 Julian Pleasant Bretz, Professor of History, Cornell University, Ithaca, N.Y.
The Extension of the Postal System West of the Alleghanies.

Marcus Wilson Jernegan, Professor of History, University of Chicago, Chicago, Ill.
The Development of Elementary and Secondary Education in England from the Reformation to the Great Civil War.

Edward Benjamin Krehbiel, Sacramento, Cal.
The Interdict under Innocent III.

1907 Henry Smith, Professor of History, Goshen College, Goshen, Ind.
The Mennonites in Pennsylvania.

Walter Robinson Smith, Professor of Sociology, University of Kansas, Lawrence, Kan.
A History of Dueling in the United States.

1908 George Lane Melton, 106 N. Brauceforte St., Santa Cruz, Cal.
The Development of the Lake Superior Iron Region.

Milo Milton Quaife, Wisconsin Historical Society, Madison, Wis.
The Doctrine of Non-Intervention with Slavery.

1910 David Richard Moore, Professor of History, Oberlin College, Oberlin, Ohio.
Canada and the United States, 1815–30.

Schuyler Baldwin Terry, Chicago Manager, Kissel, Kinnicutt & Co., Chicago, Ill.
The Financing of the Hundred Years' War.

1911 James Garfield Randall, Assistant Professor of History, University of Illinois, Urbana, Ill.
Confiscation of Property during the Civil War.

†Elmer Arthur Riley.
Development of Chicago and Vicinity as a Manufacturing Center.

1912 Dice Robins Anderson, President, Randolph-Macon Woman's College, Lynchburg, Va.
William Branch Giles: A Biography.

† Deceased.

1913 Cleo Carson Hearon, Professor of History, Agnes Scott College, Decatur, Ga.
Mississippi and the Compromise of 1850.

Judson Fiske Lee, Chicago, Ill.
Transportation as a Factor in the Development of Illinois.

Heinrich Herman Maurer, Professor of History, Lewis Institute, Chicago, Ill.
Feudal Procedure in the Courts of the Kingdom of Jerusalem.

1914 Catharine Caroline Cleveland, 4807 Greenwood Ave., Chicago, Ill.
The Great Revival in the West, 1797–1805.

Wilmer Carlyle Harris, Professor and Head of the Department of History and Political Science, Butler College, Indianapolis, Ind.
The Public Career of Zachariah Chandler.

Theodore Calvin Pease, Assistant Professor of History and Dean of School of Liberal Arts, University of Illinois, Urbana, Ill.
John Lilburne and the Levellers.

1915 Theodore Henley Jack, Professor of History and Dean of the College, Emory University, Atlanta, Ga.
Sectionalism and Party Politics in Alabama to 1842.

Reginald Charles McGrane, Professor of History, University of Cincinnati, Cincinnati, Ohio.
The Panic of 1837.

Charles Hartshorn Maxson, Assistant Professor of Political Science, Wharton School, University of Pennsylvania, Philadelphia, Pa.
The Great Awakening in the Middle Colonies.

1916 Glenn Vernon Burroughs, Assistant Professor of History and Political Science, University of Montana, Missoula, Mont.
Development of State Constitutions, 1776 to 1851.

Charles Oscar Hardy, Assistant Professor of Financial Organization in the School of Commerce and Administration, University of Chicago, Chicago, Ill.
The Negro Question in the French Revolution.

Donald McFayden, Professor of History, Washington University, St. Louis, Mo.
The Evolution of the Title "Emperor."

Norman Salee Parker, Lawyer, Chicago, Ill.
The Commerce of Southern France from 1100–1450.

Arthur Pearson Scott, Assistant Professor of History, University of Chicago, Chicago, Ill.
History of the Criminal Law in Colonial Virginia.

Francis Joseph Tschan, Carnegie Institute of Technology, Pittsburgh, Pa.
Some Aspects of the Economic History of Virginia in the Eighteenth Century.

1917 †Helen Boyce.
The Mines of the Upper Harz under Duke Henry of Brunswick and His Son Julius.

Henry Clyde Hubbart, Professor of History, Ohio Wesleyan College, Delaware, Ohio.
The Conflict in the Northwest, 1845–65.

Laura Amanda White, Professor of History, University of Wyoming, Laramie, Wyo.
The Life of Barnwell Rhett.

1919 Susan Madeline Lough, Professor and Head of the Department of History, Northampton College, Richmond, Va.
The English Government of Ireland during the Reign of Queen Elizabeth.

Rachel Caroline Eaton, Claremont, Okla.
John Ross and the Cherokee Indians.

† Deceased.

1920 Einar Joranson, Instructor in History, University of Chicago, Chicago, Ill.
The Danegeld in France.

Derwent Stainthorpe Whittlesey, Assistant Professor of Geography, University of Chicago, Chicago, Ill.
A History of the Springfield Arsenal.

1921 Chester Jacob Attig, Professor of History, Northwestern College, Naperville, Ill.
The Institutional History of the Northwest Territory 1787–1802.

Albert Burton Moore, Associate Professor of History, Iowa State College, Ames, Iowa.
Conscription in the Confederacy.

## SOCIOLOGY AND ANTHROPOLOGY

1895 Jerome Hall Raymond, Lecturer, Evanston, Ill.
American Municipal Government.

†Frederick William Sanders.
An Exposition in Outline of the Relation of Certain Economic Principles to Social Readjustment.

1896 William Isaac Thomas, New York City.
On a Difference of the Metabolism of the Sexes.

George Edgar Vincent, President, Rockefeller Foundation, New York City.
Sociology and the Integration of Studies.

1897 David Prescott Barrows, President, University of California, Berkeley, Cal.
The Ethno-Botany of the Coahuila Indians of Southern California.

Hannah Belle Clark (Mrs. Ambrose V. Powell), 5227 Blackstone Ave., Chicago, Ill.
The Public Schools of Chicago: A Sociological Study.

Merton Leland Miller, International Banking Corporation, Celu, Philippine Islands.
A Preliminary Study of the Pueblo of Taos.

Paul Monroe, Professor of the History of Teaching, Teachers College, Columbia University, New York City.
Profit Sharing: A Study in Social Economics.

1898 Ira Woods Howerth, Professor and Head of the Department of Sociology and Economics, Colorado State Teachers College, Greeley, Colo.
The Social Aim in Education.

1899 Charles Abram Ellwood, Professor of Sociology, University of Missouri, Columbia, Mo.
Some Prolegomena to Social Psychology.

1900 Jacob Dorsey Forrest, Corporation Executive, Indianapolis, Ind.
The Development of Industrial Organizations.

Annie Marion MacLean, Writer, 902 Elmwood Ave., Evanston, Ill.
The Acadian Element in the Population of Nova Scotia.

1901 Charles Joseph Bushnell, Professor of Sociology, University of Toledo, Toledo, Ohio.
A Study of the Stock Yards Community at Chicago, as a Typical Example of the Bearing of Modern Industry upon Democracy, with Constructive Suggestions.

John Morris Gillette, Professor of Sociology, University of North Dakota, University P.O., N.D.
The Culture Agencies of a Typical Manufacturing Group, South Chicago.

William Clarke Gordon, Pastor, East Congregational Church, Ware, Mass.
The Social Ideals of Alfred Tennyson as Related to His Time.

† Deceased.

1902 Edward Cary Hayes, Professor of Sociology, University of Illinois, Urbana, Ill.
The Sociologist's Object of Attention.

1903 Amy Hewes, Professor of Sociology, Mount Holyoke College, South Hadley, Mass.
The Part of Invention in the Social Process.

1904 Romanzo Colfax Adams, Professor of Sociology, University of Hawaii, Honolulu, P.I.
A Technique for Sociological Research.

Thomas James Riley, General Secretary, Bureau of Charities, Brooklyn, N.Y.
A Study of the Higher Life of Chicago.

1905 Herbert Easton Fleming, Assistant Director, Bureau of Commercial Economics, Chicago, Ill.
Some Phases of the Production and Consumption of Literature in Chicago.

1906 Eben Mumford, State Leader of County Agricultural Agents, East Lansing, Mich.
The Beginnings of Authority.

Mabel Carter Rhoades, 406 Walnut Place, Syracuse, N.Y.
A Case Study of Delinquent Boys in the Juvenile Court of Chicago.

Erville Bartlett Woods, Professor of Sociology, Dartmouth College, Hanover, N.H.
Progress as a Sociological Concept.

1907 Gustavus Walker Dyer, Professor of Sociology, Vanderbilt University, Nashville, Tenn.
Democracy in the South before the Civil War.

†Howard Woodhead.
The Social Significance of the Physical Development of Cities.

1908 Cecil Clare North, Professor of Sociology, Ohio State University, Columbus, Ohio.
The Influence of Modern Social Relations upon Ethical Concepts.

1910 Luther Lee Bernard, Professor of Sociology, University of Minnesota, Minneapolis, Minn.
The Transition to an Objective Standard of Social Control.

Frances Fenton (Mrs. L. L. Bernard), Assistant Professor of Economics, Wellesley College, Wellesley, Mass.
The Influence of Newspaper Presentations upon the Growth of Crime and Other Antisocial Activity.

Hector MacPherson, Professor of Economics and Sociology, Oregon Agricultural College, Corvallis, Ore.
Co-operative Credit Associations in the Province of Quebec.

1911 Emory Stephen Bogardus, Professor of Sociology and Political Economy, University of Southern California, Los Angeles, Cal.
The Relation of Fatigue to Industrial Accidents.

Samuel Nicholas Reep, Federal Land Bank, St. Paul, Minn.
Social Policy of Chicago Churches.

1912 Julius Temple House, Professor and Head of the Department of English and Sociology, Nebraska State Normal School, Wayne, Neb.
Purpose the Variant of Theory.

1913 Ernest Watson Burgess, Associate Professor of Sociology, University of Chicago, Chicago, Ill.
The Function of Socialization in Social Evolution.

Jesse Frederick Steiner, Professor of Social Technology, University of North Carolina, Chapel Hill, N.C.
The Japanese in America.

† Deceased.

1913 Edwin Hardin Sutherland, Assistant Professor of Sociology, University of Illinois, Urbana, Ill.
Unemployment and Public Employment Agencies.

1914 Manuel Conrad Elmer, Associate Professor of Sociology, University of Minnesota, Minneapolis, Minn.
Social Surveys of Urban Communities.

1915 Earle Edward Eubank, Professor of Sociology and Head of the Department of Social Science, University of Cincinnati, Cincinnati, Ohio.
A Study of Family Desertion.

1917 Max Sylvius Handman, Professor of Sociology, University of Texas, Austin, Tex.
The Beginnings of the Social Philosophy of Karl Marx.

1919 Clarence Dan Blachley, 318 Maryland Ave., Washington, D.C.
The Treatment of the Problem of Capital and Labor in Social Study Courses in the Churches.

Kisaburo Kawabe, Department of Education, Tokyo, Japan.
The Japanese Newspaper and Its Relation to the Political Development of Modern Japan.

Stuart Alfred Queen, Professor of Sociology, University of Kansas, Lawrence, Kan.
The Passing of the County Jail.

Edward Byron Reuter, Associate Professor of Sociology, State University of Iowa, Iowa City, Iowa.
The Mulatto in the United States: a Sociological and Psychological Study.

Raleigh Webster Stone, Assistant Professor of Economics, State University of Iowa, Iowa City, Iowa.
The Origin of the Survey Movement.

1920 Walter Blaine Bodenhafer, Professor of Sociology, Washington University, St. Louis, Mo.
The Comparative Rôle of the Group Concept in Ward's Dynamic Sociology and Contemporary Sociology.

Mollie Ray Carroll, Associate Professor and Chairman of the Department of Sociology and Economics, Goucher College, Baltimore, Md.
The Attitude of the American Federation of Labor toward Legislation and Politics.

Jacob Horak, Instructor in Sociology, Grinnell College, Grinnell, Iowa.
The Assimilation of Czechs in Chicago.

Howard Eikenberry Jensen, Professor of Sociology, Butler College, Indianapolis, Ind.
The Rise of Religious Journalism in the United States.

William Carlson Smith, Associate Professor of Sociology, University of Southern California, Los Angeles, Cal.
Conflict and Fusion of Cultures as Typified by the Ao Nagas of India.

1921 Roderick Duncan McKenzie, Associate Professor of Sociology, University of Washington, Seattle, Wash.
The Neighborhood: A Study of Local Life in Columbus, Ohio.

Clarence Elmer Rainwater, Professor of Sociology, University of Southern California, Los Angeles, Cal.
The Evolution of the Play Movement in the United States; Its Structure and Function.

Samuel Caleb Ratcliffe, Instructor in Sociology, University of Illinois, Urbana, Ill.
Pauper Law and Institutions in Illinois.

Dwight Sanderson, Professor of Sociology, Cornell University, Ithaca, N.Y.
The Rural Community: A Social Unit.

## HISTORY OF ART

1905 Caroline Louise Ransom (Mrs. Grant Williams), Chesbrough Dwellings, Toledo, Ohio.
Greek and Roman Beds.

## HOUSEHOLD ADMINISTRATION

1906 †Edna Daisy Day (Mrs. A. L. Hyde).
The Digestibility of Starch as Affected by Cooking.

1918 Minna Caroline Denton, Assistant Chief, Home Economics, State Relations Service, U.S. Department of Agriculture, Washington, D.C.
Changes in Food Value of Vegetables Due to Cooking.

1921 Elizabeth Wilhelmina Miller, Professor and Head of Home Economics, Iowa State College, Ames, Iowa.
The Effect of Certain Stimulating Substances on the Invertose Activity of Yeast.

## HOME ECONOMICS (FOOD CHEMISTRY)

1918 Chi Che Wang, Head Chemist, Nelson Morris Memorial Institute for Medical Research, Chicago, Ill.
Chemistry of Chinese Preserved Eggs and Chinese Edible Birds' Nests.

## COMPARATIVE RELIGION

1894 Edmund Buckley, Lecturer and Author on Art and Religion, Chicago, Ill.
Japanese Phallicism.

1899 Elizabeth Laetitia Moon (Mrs. H. S. Conard), Grinnell, Iowa.
Ideas of Future Life among the Algonquins.

1904 Andrew Peter Fors, Pastor, Luther Bethel Church, Chicago, Ill.
The Ethical World-Conception of the Norse People.

† Deceased.

## DIVINITY SCHOOL GROUP

### ORIENTAL LANGUAGES AND LITERATURES

1893 †Eiji Asada.
The Hebrew Text of Zechariah I–VIII Compared with the Different Ancient Versions.

1894 Theodore Gerald Soares, Professor of Homiletics and Religious Education, University of Chicago, Chicago, Ill.
A Contribution to the Criticism of the Books of Chronicles.

1895 George Ricker Berry, Professor of Hebrew and Old Testament, Colgate University, Hamilton, N.Y.
The Letters of the Rassam II Collection.

Lincoln Hulley, President, John B. Stetson University, Deland, Fla.
The Decalogue: A Growth in Form and Ideas.

†Dean Augustus Walker.
The Semitic Negative with Special Reference to the Negative in Hebrew.

1896 Herbert Lockwood Willett, Sr., Professor of Old Testament Language and Literature, University of Chicago, Chicago, Ill.
The Development of the Doctrine of Immortality among the Hebrews.

1897 †James Henry Stevenson.
Assyrian and Babylonian Contracts, with Phoenician Dockets.

1898 Philip Castor Baird, Clergyman, United Presbyterian Church, Oklahoma City, Okla.
The Method of the Prophets.

Fulton Johnson Coffin, President of College, Isle of Trinidad.
The Third Commandment.

Hayden Evan Jones, Assistant Superintendent, Morgan Park Military Academy, Morgan Park, Ill.
Selected Assyrian Letters.

1899 William Nelson Mebane, Presbyterian Minister, Dublin, Va.
Assyrian Letters.

Joseph Kahn Arnold, President, The Record Press, 525 S. Dearborn St., Chicago, Ill.
The Balaam Utterances in Strophe.

John Merlin Powis Smith, Professor of Old Testament Language and Literature, University of Chicago, Chicago, Ill.
History of the Idea of the Day of Yahweh.

1900 Alois Barta, Professor of Old Testament, German Theological Seminary, Dubuque, Iowa.
The Syntax of the Sentence in Isaiah XL–LXVI.

1901 Clifton Daggett Gray, President, Bates College, Lewiston, Me.
The Shamash Religious Texts.

† Deceased.

1901 Frederick Thomas Kelly, Assistant Professor of Hebrew, University of Wisconsin, Madison, Wis.
The Strophic Structure of Habakkuk.

1902 Preston Pishon Bruce, County Superintendent of Schools, Reliance, S.D.
Hymns and Prayers to Marduk.

Oscar Tunstal Morgan, Clergyman, Glendale, Ore.
The Wisdom Element in the Prophets.

†Emmanuel Schmidt.
The Temple of Solomon in the Light of Other Oriental Temples.

1903 Franklin Pierce Ramsay, Writer, 280 Bement Ave., West New Brighton, Staten Island, N.Y.
The Use of Blood in the Pentateuch.

1904 †William Caldwell.
The Doctrine of Creation in the Old Testament.

1905 Allen Howard Godbey, Methodist Clergyman, Carrsville, Ky.
Political, Religious, and Social Antiquities of the Sargonid Period.

John Rothwell Slater, Professor, University of Rochester, Rochester, N.Y.
The Sources of Tyndale's Version of the Pentateuch.

Olaf Alfred Toffteen, President, Scandia Academy, Chicago, Ill.
The Geography of the Letters of the Kouyunjik Collection.

1907 Charles Ellsworth Horne, Dean, College of Agriculture and Mechanic Arts, University of Porto Rico, Mayaguez, Porto Rico.
Personal Names in the Sargon Letters.

Daniel David Luckenbill, Associate Professor of the Semitic Languages and Literatures, University of Chicago, Chicago, Ill.
A Study of the Temple Documents of the Cassite Period.

Robert James George McKnight, Professor, Pittsburgh, Pa.
Selected Letters from the Sargon Period with Philological Notes.

1908 Rowland Hector Mode, care of John Stark & Co., Toronto, Canada.
Babylonian Tablets in the Haskell Museum.

1909 Rebecca Corwin, Professor of Bible, Randolph-Macon Woman's College, Roanoke, Va.
The Verb and the Sentence in Chronicles, Ezra, and Nehemiah: A Study in Syntax.

Ivan Lee Holt, Clergyman, St. Louis, Mo.
The Contract Tablets in the RCT Collection in the Haskell Museum.

George Alfred Peckham, Professor of Old Testament, Hiram College, Hiram, Ohio.
Critical Commentary on Obadiah.

1912 Caroline May Breyfogle, Dean of Women, Ohio State University, Columbus, Ohio.
The Hebrew Sense of Sin in the Pre-Exilic Period.

Isaac George Matthews, Professor of Old Testament Language and Literature, Crozer Theological Seminary, Chester, Pa.
The Jewish Apologetic to the Gentile World.

Leroy Waterman, Professor of Semitics, University of Michigan, Ann Arbor, Mich.
Selected Assyrian Letters; Texts, Transliterations, Translations, with Textual Notes.

† Deceased.

1913 Harold Hayden Nelson.
The Battle of Megiddo.

David Edward Thomas, Congregational University Pastor, University of Nebraska, Lincoln, Neb.
The Psychological Approach to the Study of Prophecy.

1914 Carl Gaenssle, Professor of Classics, Concordia College, Milwaukee, Wis.
The Hebrew Particle אֲשֶׁר.

1915 Thomas George Allen, Secretary of Haskell Museum and Oriental Institute, and Assistant Professor of Egyptology, University of Chicago, Chicago, Ill.
Horus in the Pyramid Texts.

Theophile James Meek, Professor of Semitic Languages and History of Religion, Bryn Mawr College, Bryn Mawr, Pa.
Some Legal and Business Documents from the Time of the First Dynasty of Babylon.

Martin Sprengling, Assistant Professor of the Semitic Languages and Literatures, University of Chicago, Chicago, Ill.
Syriac Prosody and Antonius Rhetor the Tagritensian.

1916 John Albert Maynard, Secretary, Assyrian Dictionary Staff, University of Chicago, Chicago, Ill.
Studies in Religious Texts from Assur.

1917 Felix Alexander Levy, 707 Melrose St., Chicago, Ill.
The Royal Obelisks of Egypt.

1919 Harry Linfield, Fellow, Dropsie College, Philadelphia, Pa.
The Relation of Jewish to Babylonian Law.

1920 August Henry Pruessner, Clergyman, Java.
Date-Culture in Ancient Babylonia.

## NEW TESTAMENT LITERATURE AND INTERPRETATION

1896 Clyde Weber Votaw, Professor of New Testament Literature, University of Chicago, Chicago, Ill.
The Use of the Infinitive in Biblical Greek.

1898 Edgar Johnson Goodspeed, Professor of Biblical and Patristic Greek, University of Chicago, Chicago, Ill.
The Newberry Gospels.

1900 Henry Martyn Herrick, Associate Professor of Modern Languages, Rockford College, Rockford, Ill.
The Kingdom of God in the Writings of the Fathers.

Gerald Dirk Heuver, Pastor, Third Presbyterian Church, Rockford, Ill.
The Teachings of Jesus Concerning Wealth.

1901 Allan Hoben, President, Kalamazoo College, Kalamazoo, Mich.
The Virgin Birth.

1903 Alphonzo Augustus Hobson, Pastor, First Baptist Church, Milwaukee, Wis.
The Diatessaron of Tatian and the Synoptic Problem.

Irving Francis Wood, Professor of Biblical Literature and Comparative Religion, Smith College, Northampton, Mass.
The Spirit of God in Biblical Literature.

1904 John William Bailey, President, Colorado Woman's College, Denver, Colo.
Does Hellenism Contribute Constituent Elements to Paul's Christology?

Benjamin Willard Robinson, Professor of New Testament Literature and Interpretation, Chicago Theological Seminary, Chicago, Ill.
Some Elements of Forcefulness in the Comparisons of Jesus.

1905 Hamilton Ford Allen, Professor and Head of Dept. of Romance Languages, Washington and Jefferson College, Washington, Pa.
The Use of the Infinitive in Polybius Compared with the Use of the Infinitive in Biblical Greek.

1906 William Duncan Ferguson, Financial Secretary, Pikeville College, Pikeville, Ky.
The Legal and Governmental Terms Common to the Macedonian Greek Inscriptions and the New Testament (with a complete index of the Macedonian inscriptions).

Frederick Owen Norton, Dean of the College of Liberal Arts, Drake University, Des Moines, Iowa.
A Lexicographical and Historical Study of ΔΙΑΘΗΚΗ.

Henry Burton Sharman, Author and Lecturer, Toronto, Ontario, Canada.
The Teaching of Jesus about the Future According to the Synoptic Gospels.

Effie Freeman Thompson, Professor, Kingston, N.Y.
ΜΕΤΑΝΟΕΩ and ΜΕΤΑΜΕΛΕΙ in Greek Literature until 100 A.D., Including a Discussion of Their Cognates and of Their Hebrew Equivalents.

1907 Frank Grant Lewis, Librarian, Crozer Theological Seminary, and American Baptist Historical Society, Chester, Pa.
Irenaeus' Testimony to the Fourth Gospel; Its Extent, Meaning, and Value.

Henry Barton Robison, Professor, Culver-Stockton College, Canton, Mo.
The Syntax of the Participle in the Apostolic Fathers.

Calvin Klopp Staudt.
The Idea of the Resurrection in the Ante-Nicene Period.

1908 Charles Bray Williams, President, Howard College, Birmingham, Ala.
The Participle in the Book of Acts.

1909 John Cowper Granbery, Professor, Southwestern University, Georgetown, Tex.
Outline of New Testament Christology.

1910 Harris Lachlan MacNeill, Professor, Brandon College, Brandon, Manitoba, Canada.
The Christology of the Epistle to the Hebrews (Including Its Relation to the Developing Christology of the Primitive Church).

1911 Alonzo Rosecrans Stark, Clergyman, First Baptist Church, Cambridge, Mass.
The Christology in the Apostolic Fathers.

1912 Ernest William Parsons, Professor, Rochester Theological Seminary, Rochester, N.Y.
A Historical Examination of Some Non-Markan Elements in Luke.

Dean Rockwell Wickes, Professor, American Board Mission, Tunghsien, China.
The Sources of Luke's Perean Section.

1913 Henry Beach Carré, Professor of Old Testament Language and Literature, Vanderbilt University, Nashville, Tenn.
Paul's Doctrine of Redemption.

1914 Chester Charlton McCown, Professor of New Testament, Pacific School of Religion, Berkeley, Cal.
Testamentum Salomonis.

1915 Willard Haskell Robinson, Jr., President and Head of the Bible Department, Whitworth College, Spokane, Wash.
The Problem of the Parables of Jesus.

Alonzo Willard Fortune, Pastor, Central Christian Church, Lexington, Ky.
The Conception of Authority in the Pauline Writings.

1916 Arthur Wakefield Slaten, Professor of Biblical Literature and Religious Education, William Jewell College, Liberty, Mo.
The Qualitative Use of Nouns in the Pauline Epistles, and Their Translation in the Revised Version.

Elmer Harry Zaugg, Professor, North Japan College, Sendai, Japan.
The Genetic Study of the Spirit-Phenomena in the New Testament.

1917 Thomas Wearing, Principal, Woodstock College, Woodstock, Ontario, Canada.
The World-View of the Fourth Gospel.

1918 Alfred Morris Perry, Clergyman, Granby, Conn., and Lecturer at Hartford Theological Seminary, Hartford, Conn.
The Sources of Luke's Passion-Narrative.

Charles James Ritchey, Assistant Professor of History, Carleton College, Northfield, Minn.
Quests for Salvation in New Testament Times.

LeRoy Hahn Stafford, Wheaton, Ill.
The Function of Divine Manifestations in New Testament Times.

1919 Jan Hendrik Jacobus Greyvenstein, Minister, Rhodes, South Africa.
The Original "Teaching of the Twelve Apostles": Its Text and Origin.

George Arthur Martell, Paso Robles, Cal.
Gnosticism and the Fourth Gospel.

1920 Elbert Russell, Director, Woolman School, Swarthmore, Pa.
Paronomasia and Kindred Phenomena in the New Testament.

1921 Joseph Nicholas Reagan, 1039 West 32d St., Oklahoma City, Okla.
Κήρυγμα Πέτρου, the Oldest Christian Apology.

## SYSTEMATIC THEOLOGY

1896 †Eliphalet Allison Read.
The Christian Idea of God in Its Relation to Theology.

1899 Carl Delos Case, Clergyman, First Baptist Church, Oak Park, Ill.
The Incarnation and Modern Thought.

1900 George Cross, Professor, Rochester Theological Seminary, Rochester, N.Y.
The Theology of Schleiermacher.

†Jullien Avery Herrick.
The Development and Significance of the Leben Jesu Literature.

Loran David Osborn, Chancellor, Des Moines University, Des Moines, Iowa.
The Recovery and Restatement of the Gospel.

Arthur Maxson Smith, Associate Professor, Colgate University, Hamilton, N.Y.
The Contribution of Thomas Aquinas to Modern Individualism.

† Deceased.

1900 †Hiram Van Kirk, Darien, Conn.
Sources of the Theology of Alexander Campbell.

1903 Wilfred Currier Keirstead, Professor of Philosophy and Economics, University of New Brunswick, Fredericton, N.B.
The Theory of Knowledge of Albrecht Ritschl.

William Ross Schoemaker, Clergyman, City Park Baptist Church, Denver, Colo.
The Use of רוּחַ in the Old Testament and of πνεῦμα in the New Testament.

1904 Arthur Erastus Holt, Secretary, Y.M.C.A., Kansas State Agricultural College, Manhattan, Kan.
The Function and Method of Christian Ethics.

1909 Douglas Clyde Macintosh, Professor, Yale Divinity School, New Haven, Conn.
The Reaction against Metaphysics in Theology.

1912 Henry Burke Robins, Professor, Rochester Theological Seminary, Rochester, N.Y.
The Basis of Assurance in Protestant Theology.

Charles Manford Sharpe, Director, Detroit School of Religion, Detroit, Mich.
The Function of the Scriptures in Current American Theology.

1914 Ukichi Kawaguchi, Japan Baptist Theological Seminary, Tokyo, Japan.
The Bearing of the Evolutionary Theory on the Conception of God.

1915 Allan Worthington Cooke, Clergyman, Church of the Advent, Boston, Mass.
The Social Psychology of the Sacraments.

Arthur Clinton Watson, Professor, Marietta College, Marietta, Ohio.
The Logic of Religious Reconstruction.

1917 Riichiro Hoashi, Waseda University, Tokyo, Japan.
Problem of Omnipotence in Current Theology.

1918 Albert Eustace Haydon, Assistant Professor of History of Religions, University of Chicago, Chicago, Ill.
The Conception of God in the Pragmatic Philosophy.

William Charles Macdougall, Associate Principal, Disciples Mission Bible College, Jubbulpore, India.
The "Way of Salvation" in the Ramayana of Tulsi Dass.

Angus Stewart Woodburne, Madras Christian College, Madras, India.
The Relation between Religion and Science: A Biological Approach.

1920 Ralph Kendall Schwab, Minister, First Congregational Church, Rock Falls, Ill.
The History of the Doctrine of Christian Perfection in the Evangelical Association.

1921 Archibald Gillies Baker, Assistant Professor of Missions, University of Chicago, Chicago, Ill.
The Church and the Struggle for Democracy in Alto-Peru and Bolivia.

## CHURCH HISTORY

1897 Winfred Ernest Garrison, Associate Professor of Church History and Dean of the Disciples' Divinity House, University of Chicago, Chicago, Ill.
The Sources of Alexander Campbell's Theology.

† Deceased.

1899 Warren Palmer Behan, Professor of Bible and Religious Education, Ottawa University, Ottawa, Kan.
Social Work of the Church of Plymouth Colony, 1620-1691.

1900 Wallace St. John, Baptist College, Rangoon, Burma.
The Contest for Liberty of Conscience in England.

1902 Errett Gates, Lawyer, Department of Industrial Relations, Armour & Co., Chicago, Ill.
The Early Relation and Separation of Baptists and Disciples.

1905 William Henry Allison, Professor of Ecclesiastical History, Colgate University, Hamilton, N.Y.
Baptist Councils in America.

1906 Rolvix Harlan, Secretary of the Rural Church Commission, American Baptist Home Mission Society, New York, N.Y.
The Christian Catholic Church in Zion.

1913 Chester William New, Professor of History, McMaster University, Toronto, Canada.
A History of the Alien Priories in England to the Confiscation by Henry V.

1914 Peter George Mode, Assistant Professor of Church History, University of Chicago, Chicago, Ill.
The Influence of the Black Death on the English Monasteries.

1915 Arthur Henry Hirsch, Professor and Head of the Department of History, Ohio Wesleyan College, Delaware, Ohio.
The Huguenots in South Carolina.

1919 Lyford Paterson Edwards, Associate Professor of Sociology, St. Stephen's College, Annandale-on-Hudson, N.Y.
The Transformation of Early Christianity from an Eschatological to a Socialized Movement.

Daniel C. Holtom, Professor, Japan Baptist Theological Seminary, 30 Tsukiji, Tokyo, Japan.
The Political Philosophy of Modern Shinto: A Problem in Christian Missions.

1920 John Thomas McNeill, Queen's University, Kingston, Canada.
The Celtic Penitentials and Their Influence on Continental Christianity.

## RELIGIOUS EDUCATION

1909 Herbert Francis Evans, Professor of Religious Education, Pacific School of Religion, Berkeley, Cal.
Religious and Moral Education through the Periodical Press.

1911 Arthur Jackson Hall, Professor of Psychology, Baylor University, Waco, Tex.
Religious Education in the Public Schools of the State and City of New York.

1913 Frank Otis Erb, Educational Secretary of the American Baptist Publication Society, Philadelphia, Pa.
The Development of the Young People's Movement in Modern Christianity.

William Norman Hutchins, Pastor, First Baptist Church, Kentville, Nova Scotia.
Social Service in Religious Education.

Katsuji Kato, Y.M.C.A. Secretary for Japanese Students in America, Chicago, Ill.
The Psychology of the Religious Experience of Typical Japanese Christians.

1914 Daniel Johnson Fleming, Professor of Missions, Union Theological Seminary, New York, N.Y.
The Development of an Autonomous Church in India.

Adrian Augustus Holtz, General Secretary, Y.M.C.A., Kansas State Agricultural College, Manhattan, Kan.
The Moral and Religious Element in American Education to 1800.

Herbert Finley Rudd, Professor of Psychology, New Hampshire State College, Durham, N.H.
The Chinese Moral Sentiments before Confucius: A Study in the Origin of Ethical Valuation.

1915 Addie Grace Wardle, Superintendent of Deaconess Home and Community House, Cleveland, Ohio.
The History of the Sunday School in the Methodist Church.

## SOCIOLOGY

1903 Frank Graves Cressey, Director, Ohio Baptist Board of Promotion, Granville, Ohio.
The Church and the Young Man.

1905 Richard Roy Perkins, General Secretary, Y.M.C.A., San Francisco, Cal.
The Treatment of Juvenile Delinquents.

Albert Judson Steelman, Professor, Union Evangelical Seminary, Rio Piedras, Porto Rico.
Charities for Children in the City of Mexico.

1913 Norman Joseph Ware, Professor of Applied Sociology, University of Louisville, Louisville, Ky.
An Instrumental Interpretation of Social Theory: "L'Ordre naturel et essentiel des sociétés politiques" of Le Mercier de La Rivére; Physiocrat.

1919 Lorenzo Dow Weyand, Professor of Sociology, William Jewell College, Liberty, Mo.
A Study of Wage Payment to Prisoners as a Penal Method.

## CLASSICAL GROUP

### GREEK

1895 William Arthur Heidel, Professor of Greek, Wesleyan University, Middleton, Conn.
Pseudo-Platonica.

Wilmer Cave France (Mrs. J. E. Wright), Professor of Greek, Bryn Mawr College, Bryn Mawr, Pa.
The Emperor Julian's Relation to the New Sophistic and Neo-Platonism: With a Study of His Style.

1897 †Charles William Seidenadel.
Quid de musicae universae eiusque aliquot partium singularum potestate ἦθος aut πάθος et exprimendi et efficiendi veterum Graecorum scriptores, imprimis Plato nec non Aristoteles iudicarint.

1898 Theodore Chanlon Burgess, Director, Bradley Institute, Peoria, Ill.
Epideictic Literature.

1900 †Herbert Morse Burchard.
Homeric Influence on the Palatine Anthology.

George Norlin, President, University of Colorado, Boulder Colo.
Cosmogenical Theories of the Greeks.

George Washington Paschal, Associate Professor of Greek and Latin, Wake Forest College, Wake Forest, N.C.
A Study of Quintus of Smyrna.

1901 Clara Elizabeth Millerd (Mrs. Smertenko), Grinnell, Iowa.
On the Interpretation of Empedocles.

William Bishop Owen, Principal, Chicago Normal School, Chicago, Ill.
The Custom and Laws of Naturalization at Athens.

1903 Geneva Misener, Associate Professor of Classics, University of Alberta, Edmonton, Alta.
The Meaning of Γάρ.

1904 Robert Johnson Bonner, Professor of Greek, University of Chicago, Chicago, Ill.
Evidence in Athenian Courts.

Roy Caston Flickinger, Professor of Greek and Latin and Dean of the College of Liberal Arts, Northwestern University, Evanston, Ill.
Plutarch as a Source of Information on the Greek Theater.

David Moore Robinson, Professor of Classical Archaeology, Johns Hopkins University, Baltimore, Md.
Ancient Sinope.

LaRue Van Hook, Professor of Classical Philology, Columbia University, New York City.
The Metaphorical Terminology of Greek Rhetoric and Literary Criticism.

1905 Frank Winans Dignan, LaSalle Extension University, Chicago, Ill.
The Idle Actor in Aeschylus.

1906 Kelley Rees, Broker, 514 S. 42nd St., Philadelphia, Pa.
The Rule of Three Actors in the Classical Greek Drama.

† Deceased.

1907 Anna Bates Hersman, 5577 Cabanne Ave., St. Louis, Mo.
Studies in Greek Allegorical Interpretation.

1908 Frederick Leroy Hutson, Assistant Professor of Classics, Princeton University, Princeton, N.J.
Sparta in Greek Opinion.

1910 Arthur Leslie Keith, Professor of Greek, University of South Dakota, Vermilion, S.D.
Simile and Metaphor in Greek Poetry, from Homer to Aeschylus.

1911 Hazel Louise Brown, Harrison Technical High School, Chicago, Ill.
Extemporary Speech in Antiquity.

George Miller Calhoun, Associate Professor of Greek, University of California, Berkeley, Cal.
Athenian Clubs in Politics and Litigation.

Frank Egleston Robbins, Assistant to the President, University of Michigan, Ann Arbor Mich.
The Hexaemeral Literature; a Study of the Greek and Latin Commentaries on Genesis.

1912 Ethel Ella Beers, Teacher, McKinley High School, Chicago, Ill.
Euripides and Later Greek Thought.

Robert Alexander MacLean, Lecturer in Classics, McGill University, Montreal, Can.
Periphrasis in Attic Tragedy.

1913 John Walter Beardslee, Jr., Professor of Greek and New Testament Exegesis, Theological Seminary, New Brunswick, N.J.
The Use of φύσις in Fifth-Century Greek Literature.

Emily Helen Dutton, Professor of Classics, Tennessee College, Murfreesboro, Tenn.
Studies in Greek Prepositional Phrases.

John Leonard Hancock, Instructor in Latin and Greek, University of Arkansas, Fayetteville, Ark.
Studies in Stichomythia.

John Emory Hollingsworth, Professor of Greek and Latin, Washburn College, Topeka, Kan.
Antithesis in Attic Orators from Antiphon to Isaeus.

Roger Miller Jones, Assistant Professor of Greek, University of California, Berkeley, Cal.
The Platonism of Plutarch.

Robert Christian Kissling, Professor and Head of Classical Languages, State Teachers College, Cape Girardeau, Mo.
Philosophy of Synesius of Cyrene.

Albert Augustus Trever, Professor of Greek, Lawrence College, Appleton, Wis.
A History of Greek Economic Thought.

1914 John Oscar Lofberg, Associate Professor of Classics, Queen's University, Kingston, Ontario.
Sycophancy in Athens.

George Newton Sleight, Superintendent of Schools, St. Petersburg, Fla.
Themistius: Life, Style, and Thought.

1915 Grace Hadley Billings (Mrs. T. H.), Cambridge, England.
The Art of Transition in Plato.

Thomas Henry Billings, Cambridge, England.
The Platonism of Philo Judaeus.

Heber Michael Hays, Fenger High School, Chicago, Ill.
Notes on the Works and Days of Hesiod with Introduction and Appendix.

1916 David Martin Key, Professor of Latin, Millsaps College, Jackson, Miss.
Introduction of Characters by Personal Names in Greek and Roman Comedy.

Frederick Smith, Associate Professor and Head of the Department of General Literature, Southern Methodist University, Dallas, Tex.
Athenian Political Commissions.

Edwin Leodgar Theiss, Naperville, Ill.
Hostility to Plato in Antiquity.

Eliza Gregory Wilkins, Assistant Professor of Classics, University of Colorado, Boulder, Colo.
"Know Thyself" in Greek and Latin Literature.

1917 †Robert Dale Elliott.
Transition in the Attic Orators.

1919 Margaret Brown O'Connor, St. Louis, Mo.
Facts of Greek Religion as Seen through the Medium of Tragedy.

John Wilson Taylor, Assistant Professor of Greek and Latin, University of Manitoba, Winnipeg, Man.
Georgius Gemistus Pletho's Criticism of Plato and Aristotle.

1920 William Dudley Woodhead, Assistant Professor of Greek, University of Toronto, Toronto, Ont.
Etymology in Greek Literature.

1921 Hartley Grant Robertson, Lecturer in Greek, Victoria College, University of Toronto, Toronto, Ont.
The Administration of Justice in the Athenian Empire.

Gertrude Elizabeth Smith, Instructor in Greek, University of Chicago, Chicago, Ill.
The Administration of Justice from Hesiod to Solon.

## LATIN

1898 Fred B. R. Hellems, Professor of History of Art and Dean of the College of Liberal Arts, University of Colorado, Boulder, Colo.
Lex de Imperio Vespasiani.

Esther Boise Van Deman, Research Associate of the Carnegie Institute, Rome, Italy.
The Cult of Vesta Publica and the Vestal Virgins.

Arthur Tappan Walker, Professor of Latin, University of Kansas, Lawrence, Kan.
The Sequence of Tenses in Latin.

1900 Edward Ambrose Bechtel, Dean of the College of Arts and Science, Tulane University, New Orleans, La.
Sanctae Silviae Peregrinatio.

John Jacob Schlicher, Professor of Latin, University of Wisconsin, Madison, Wis.
The Origin of Rhythmical Verse in Late Latin.

Thomas Kay Sidey, Associate Professor of Latin and Greek, University of Washington, Seattle, Wash.
The Participle in Plautus, Petronius, and Apuleius.

1901 †Thomas Louis Comparette.
The Inscriptional Hexameters.

Frederick William Shipley, Professor of Latin, Washington University, St. Louis, Mo.
Certain Sources of Corruption in Latin Manuscripts.

† Deceased.

1901 William Frank Tibbetts, Curtis High School, New Brighton, Staten Island, N.Y.
The Indicative Indirect Question in Latin.

1902 George Crawford Swearingen, Mississippi Manager of the Phoenix Mutual Life Insurance Co., Jackson, Miss.
A Study in the Manuscripts of Horace.

1903 Tenney Frank, Professor of Latin, Johns Hopkins University, Baltimore, Md.
Attraction of Mood in Early Latin.

1904 Warren Stone Gordis, Professor of English, John B. Stetson University, De Land, Fla.
The Estimates of Moral Values Expressed in Cicero's Letters.

1905 †Bernard Camillus Bondurant.
Decimus Junius Brutus Albinus.

Mary Jackson Kennedy, Laurel School, Cleveland, Ohio.
The Literary Work of Ammianus.

Mary Bradford Peaks, Attorney at Law, 165 Broadway, New York City.
The General Civil and Military Administration of Noricum and Raetia.

1906 Harold Lucius Axtell, Professor of Latin and Greek, University of Idaho, Moscow, Idaho.
The Deification of Abstract Ideas in Roman Literature and Inscriptions.

Norman Wentworth DeWitt, Professor of Latin, Victoria College, University of Toronto, Toronto, Can.
The Dido Episode in the Aeneid of Virgil.

1907 Draper Talman Schoonover, Professor of Latin and Dean, Marietta College, Marietta, Ohio.
A Study of Cn. Domitius Corbulo as Found in the Annals of Tacitus.

1908 Evan Taylor Sage, Professor and Head of the Department of Latin, University of Pittsburgh, Pittsburgh, Pa.
The Pseudo-Ciceronian Consolatio.

Berthold Louis Ullman, Professor of Latin, State University of Iowa, Iowa City, Iowa.
The Identification of the Manuscripts of Catullus Cited in Statius' Edition of 1566.

1909 John Strayer McIntosh, Professor of Latin and Greek, Southern Methodist University, Dallas, Tex.
A Study of Augustine's Version of Genesis.

1911 Judson Allen Tolman, President, Howard Payne College, Brownsville, Tex.
A Study of the Sepulchral Inscriptions in Buecheler's Carmina Epigraphica Latina.

1912 James Burnett Eskridge, President, Oklahoma Agricultural and Mechanical College, Stillwater, Okla.
The Influence of Cicero upon Augustine in the Development of his Oratorical Theory for the Training of the Ecclesiastical Orator.

Mason DeWitt Gray, Head of Classical Department, East High School, Rochester, N.Y.
The Uses of Quin: Their Origin and Development.

1913 Carlos Eben Allen, President, State Teachers College, Valley City, N.D.
Latin Word Order as Seen in Caesar's Gallic War.

† Deceased.

1913 Alice Freda Bräunlich, Assistant Professor of Latin, Goucher College, Baltimore, Md.
The Indicative Indirect Question in Latin.

Frederick William Clark, Professor of Latin and Greek, University of Manitoba, Winnipeg, Can.
The Influence of Sea-Power on the History of the Roman Republic.

Clinton C. Conrad, Vice-Principal, University High School, Oakland, Cal.
The Technique of Continuous Action in Roman Comedy.

1914 Keith Preston, Associate Professor of Latin, Northwestern University, Evanston, Ill.
Studies in the Diction of the Sermo Amatorius in Roman Comedy.

1915 Bertha Ellis Booth, Hamilton, Mo.
The Collocation of the Adverb of Degree in Roman Comedy and Cato.

1916 Raymond Huntington Coon, Professor of Latin, William Jewell College, Liberty, Mo.
The Foreigner in Hellenistic Comedy.

Richard Orlando Jolliffe, Professor of Classics, Queen's University, Kingston, Can.
Phases of Corruption in Roman Administration in the Last Half-Century of the Roman Republic.

1918 Ira David Hyskell, 28 Nassau St., New York City.
A Study of the Latinity of Solinus.

1920 Helen Hull Law, Professor of Latin and Greek, Meredith College, Raleigh, N.C.
Studies in the Songs of Plautine Comedy.

Joseph Clyde Murley, Assistant Professor of Classical Languages, Northwestern University, Evanston, Ill.
The Cults of Cisalpine Gaul as Seen in the Inscriptions.

1921 Harold Bennett, Professor of Latin and Greek, College of Charleston, Charleston, S.C.
Cinna and His Times.

Blanche Elizabeth Mae Brotherton, Assistant Professor of Classics, Wheaton College, Norton, Mass.
The Vocabulary of Intrigue in Roman Comedy.

## COMPARATIVE PHILOLOGY

1896 Frank H. Fowler, Professor of Classical Languages, University of Arizona, Tucson, Ariz.
The Negatives of the Indo-European Languages.

†Henry Farrar Linscott.
The Latin Third Declension. A Study in Metaplasm and Syncretism.

898 Helen McGaffey Searles, Professor of Latin, Mt. Holyoke College, South Hadley, Mass.
A Lexicographical Study of the Greek Inscriptions.

1900 Mary Belle Harris, Superintendent, State Home for Girls, Trenton, N.J.
The Lyric of Kālidāsa; Its Form and Subject Matter.

John Jocob Meyer, Austraffe, Switzerland.
Translation of the Daçakumāracaritam, with Introduction and Notes.

1901 Edgar Howard Sturtevant, Irving National Bank, New York City.
Contraction in the Case-forms of the Latin *io-* and *iā-* Stems, and of *deus, is* and *idem.*

1904 William Cyrus Gunnerson, Principal, Dozier School, St. Louis, Mo.
History of U-Stems in Greek.

†Deceased.

1904 Ivy Kellerman (Mrs. Edwin C. Reed), Washington, D.C.
On the Syntax of Some Prepositions in the Greek Dialects.

1907 Ghen-Ichiro Yoshioka, Professor of English and Comparative Philology, Waseda University, Tokyo, Japan.
A Semantic Study of the Verbs of Doing and Making in the Indo-European Languages.

1911 Carlos Everett Conant, Assistant Professor of Romance Languages, Carleton College, Northfield, Minn.
The Pepet Law in Philippine Languages.

1918 Karl F. Muenzinger, Chicago, Ill.
Studies in Linguistic Psychology
I. The Consciousness of Sameness of Speech-Sounds
II. The Function of Imitation Sound-Changes.

1920 Hans Kurath, Assistant Professor of German, Northwestern University, Evanston, Ill.
The Semantic Sources of the Words for the Emotions, in Sanskrit, Greek, Latin, and the Germanic Languages.

## MODERN LANGUAGE GROUP

### ROMANCE LANGUAGES AND LITERATURES

1894 †René de Poyen-Bellisle.
Les sons et les formes du Créole dans les Antilles.

1896 Theodore Lee Neff, Associate Professor of French, University of Chicago, Chicago, Ill.
La Satire des femmes dans la Poésie lyrique française du moyen âge.

1897 Wilson Deane Crabb, Attorney at Law, Louisville, Ky.
Culture History in the chanson de geste *Aymeri de Narbonne.*

1898 Lisi Cecilia Cipriani, Writer, 5731 Harper Ave., Chicago, Ill.
Introduction to a Critical Edition of *Gui de Bourgogne.*

1899 André Béziat, Associate Professor of Romance Languages, Vanderbilt University, Nashville, Tenn.
Étude sur le dialecte de Balansûn, Basses Pyrénées. I, Phonétique.

1900 Frederick Ernst Beckmann, Instructor in Modern Languages, High School, Seattle, Wash.
Spanish Influence on Eichendorff.

Isabelle Bronk, Professor and Head of the Department of the French Language and Literature, Swarthmore College, Swarthmore, Pa.
The *Poésies diverses* of Antoine Furetière: A Partial Reprint from the Edition of 1664. Edited with Introduction, Notes, and Glossary.

1903 Florence Nightingale Jones, Professor of Spanish, Lewis Institute, Chicago Ill.
Beaumarchais and Plautus: The Sources of *Le Barbier de Seville.*

1905 George Fitch McKibben, Instructor in Seminario Theologico Bautista Mexicano, Saltillo, Coahuila, Mexico.
The *Eructavit,* an old French Poem: the Author's Environment, His Argument and Materials.

1906 Milton Alexander Buchanan, Professor and Head of the Department of Italian and Spanish, University of Toronto, Toronto, Canada.
*Comedia famosa del esclavo del demonio compuesta por el doctor Mira de Mesqua* (Barcelona, 1612). Edited with an Introduction and Notes.

George Tyler Northup, Professor of Spanish Literature, University of Chicago, Chicago, Ill.
*El libro de los gatos:* A Text with Introduction and Notes.

1909 Aurelio Macedonio Espinosa, Professor of Spanish, Stanford University, Stanford University, Cal.
Studies in New Mexican Spanish, I.

Ralph Emerson House, Professor of Spanish, State University of Iowa, Iowa City, Iowa.
The *Comedia radiana* of Agustín Ortiz, with Introduction and Notes.

1911 Henry Raymond Brush, Professor of French, University of California, Southern Branch, Los Angeles, Cal.
*La Bataille de trente Anglois et de trente Bretons:* Text with Introduction, Notes, and Glossary.

Charles Frederick Ward, Associate Professor of Romance Languages, State University of Iowa, Iowa City, Iowa.
The Epistles on the *Romance of the Rose* and Other Documents in the Debate.

†Deceased.

1913 Henry Emil Haxo, Professor and Head of the Department of Romance Languages, University of North Dakota, Grand Forks, N.D.
Denis Piramus: *La Vie Seint Edmunt,* XII^e siècle.

1915 Earle Brownell Babcock, Professor and Head of the Department of Romance Languages and Literatures, New York University, New York, N.Y.
A Critical Edition of the *Vision* of Christine de Pizan, Part III.

1916 Agnes Rutherford Riddell, Professor and Head of the Department of Romance Languages, Wheaton College, Norton, Mass.
Flaubert and Maupassant: A Literary Relationship.

1917 Roy Temple House, Professor and Head of Department of Modern Languages, University of Oklahoma, Norman, Okla.
*L'Ordene de chevalerie:* A Text with Introduction and Notes.

Lander MacClintock, Assistant Professor of Romance Languages, Indiana University, Bloomington, Ind.
Sainte-Beuve's Critical Theory and Practice after 1849.

1919 Alexander Haggerty Krappe, Instructor in Romance Languages, Indiana University, Bloomington, Ind.
Alliteration in the *Chanson de Roland* and in the *Carmen de Proditione Guenonis.*

John Thomas Lister, Professor and Head of the Department of Spanish, Wooster College, Wooster, Ohio.
Branch I of *Perlesvaus,* from MS. Hatton 82, Transcribed and Edited, with Notes.

1920 Frederick A. G. Cowper, Professor of Romance Languages, Trinity College, Durham, N.C.
Sources, Date, and Style of *Ille et Galeron.*

Foster Erwin Guyer, Assistant Professor of French, Dartmouth College, Hanover, N.H.
The Influence of Ovid on Crestien de Troyes.

Ethel Preston, Instructor, University High School, University of Chicago, Chicago, Ill.
The History and Technique of the Reappearing Characters in the *Comédie Humaine* of Balzac.

1921 Alois Richard Nykl, Assistant Professor of Romance Languages, Northwestern University, Evanston, Ill.
Transcriptions and Commentary upon Some Aljamiado Texts.

Clarence Edward Parmenter, Assistant Professor of Romance Languages, University of Chicago, Chicago, Ill.
The French Epistle in Verse from Deschamps to the year 1549.

## GERMANIC LANGUAGES AND LITERATURES

1895 Francis Asbury Wood, Professor of Germanic Philology, University of Chicago, Chicago, Ill.
I, Verner's Law in Gothic. II, The Reduplicating Verbs in Germanic.

1897 Philip Schuyler Allen, Associate Professor of German Literature, University of Chicago, Chicago, Ill.
Wilhelm Müller and the German Volkslied.

Johannes Benoni Eduard Jonas, Teacher of German, DeWitt Clinton High School, New York City.
The Poems of Heinrich Teichner.

Jessie Louise Jones, Head of the Department of German, Lewis Institute, Chicago, Ill.
The Phonology of the Elis Saga.

1897 †Paul Oskar Kern.
Das starke Verb bei Grimmelshausen.

1899 Ora Philander Seward, Professor of Modern Languages, John B. Stetson University, DeLand, Fla.
The Picturesque Negative in Middle High German.

1900 Hermann Benjamin Almstedt, Professor of Germanic Languages and Literatures, University of Missouri, Columbia, Mo.
Das mittelniederdeutsche Laiendoctrinal.

Otto Heller, Professor of German, Washington University, St. Louis, Mo.
Die Ahaswerussage in der Litteratur.

1901 Max Batt, Teacher of English, John Marshall High School, Chicago, Ill.
The Treatment of Nature in German Literature from Guenther to the Appearance of Goethe's *Werther*.

Carl Edgar Eggert, Teacher of Medieval History, John Marshall High School, Chicago, Ill.
The Middle Low German Version of the Legend of Mary Magdalen.

Frederick Otto Schub, Private Tutor.
Middle Low German Poems from Helmstedt Codices.

1902 George A. Mulfinger, 6044 Woodlawn Ave., Chicago, Ill.
Ferdinand Kürnberger's Roman *Der Amerikamüde*, dessen Quellen und Verhältnis zu Lenaus *Amerikareise*

1903 Henrietta Katherine Becker (Mrs. Camillo von Klenze), 62 W. 102d St., New York City.
Kleist and Hebbel: A Comparative Study.

1905 Adolph Carl Noé, Assistant Professor of German Literature, University of Chicago, Chicago, Ill.
Das junge Deutschland und Goethe.

1906 Charles Goetsch, Associate Professor of German, University of Chicago, Chicago, Ill.
Ablaut Relations in the Weak Verb in Gothic, Old High German, and Middle High German.

1907 Chester Nathan Gould, Assistant Professor of German and Scandinavian Literature, University of Chicago, Chicago, Ill.
The Syntax of *ana* (*an*), *at*, and *du* (*to*) in Gothic and Old Saxon.

1908 Hans Ernst Gronow, 110 Süd Strasse, Münster (Westfalen), Germany.
Anzengrubers Verhältnis zum Naturalismus.

Jacob Harold Heinzelmann, Professor of German, University of Manitoba, Winnipeg, Canada.
The Influence of the German Volkslied upon Eichendorff's Lyrics.

Marion Lee Taylor, Instructor in German in Public Schools, Brooklyn, N.Y.
A Study of the Technique in Konrad Ferdinand Meyer's *Novellen*.

Edward John Williamson, Professor of German, Hobart College, Geneva, N.Y.
Grillparzer's Attitude toward Romanticism.

1909 Leonard Bloomfield, Professor of German and Comparative Philology, University of Ohio, Columbus, Ohio.
A Semasiological Differentiation in Germanic Secondary Ablaut.

†Peter A. Claassen.
Die Schicksalsfrage in Schiller's Dramen und dramatischen Entwürfen.

Samuel Kroesch, Assistant Professor of German, University of Minnesota, Minneapolis, Minn.
The Semasiological Development of Words for "Perceive, Understand, Think, Know" in the Older Germanic Dialects.

†Deceased.

1909 Louise Malinckrodt Kueffner, Teacher of English, Hunter College (Evening Session), New York City.
The Development of the Historic Drama: Its Theory and Practice.

Walter Raleigh Myers, Assistant Professor of German, University of Minnesota, Minneapolis, Minn.
The Technique of Bridging Gaps in the Action of German Drama since Gottsched. Part I: Until the Death of Lessing.

1910 Willis Arden Chamberlin, Professor of Modern Languages, Denison University, Granville, Ohio.
Periodic and Loose Sentences in Schiller's Historical Works.

Alfred Isaac Roehm, 2001 Peabody Place, Nashville, Tenn.
Bibliographie und Kritik der deutschen Übersetzungen aus der amerikanischen Dichtung.

1911 Frank Adolph Bernstorff, Instructor in German, Northwestern University, Evanston, Ill.
The Use of the Word "derselbe" from the Classic Period of German Literature to the Present Day.

George Pullen Jackson, Associate Professor of German, Vanderbilt University, Nashville, Tenn.
From Young Lessing to Percy's *Reliques*.

Armin Hajman Koller, Assistant Professor of German, University of Illinois, Urbana, Ill.
Herder's Conception of *Milieu*.

William Ferdinand Luebke, Professor of English, University of Denver, Denver, Colo.
The Language of Berthold von Chiemsee.

Paul Herman Phillipson, Milwaukee, Wis.
Aus Daniel von Binzers Leben.

1912 Charles Boyle Campbell, Professor and Head of Modern Languages, Agricultural and Mechanical College, College Station, Tex.
Concerning the Pronominal Antecedent and the Form of the Accompanying Relative Pronoun in Modern German Prose.

1913 Milton D. Baumgartner, Assistant Professor of German, Butler College, Indianapolis, Ind.
The Influence of Dryden on German Literature of the Eighteenth Century.

Bertha Reed Coffman (Mrs. G. R.), Instructor, University College, University of Chicago, Chicago, Ill.
The Influence of English Literature on Friedrich Hagedorn.

Francis Waldemar Kracher, Advertising Manager, Brenard Mfg. Co., Iowa City, Iowa.
Dramatische Mitleidsmittel im Modernen deutschen Drama.

Henry Otto Schwabe, Nowata, Okla.
The Semasiological Development of Words for "Eating" and "Drinking" in the Germanic Dialects.

†Marie Zimmerman.
Eine Untersuchung des Wortgebrauchs in Goethe's *Iphigenie* als Grundlage einer neuen Literarhistorischen Erklärungsmethode.

1914 †Torild Washington Arnoldson.
Designations of Parts of the Body in Germanic Languages.

Roscoe Myrl Hirig, Supervisor of Night Courses and Summer Session, Carnegie Institute of Technology, Pittsburgh, Pa.
The Semasiological Development of Germanic Words Meaning "Walk," "Run."

Leon Metzinger, Professor of German, Agricultural College, Agricultural College, N.D.
Justinus Kerner and the German Volkslied.

†Deceased.

1915 Oscar Carl Burkhard, Assistant Professor of German, University of Minnesota, Minneapolis, Minn.
Die Exposition bei Schiller.

Ella Elizabeth Ruebhausen, Professor of Modern Languages, Mount Morris College, Mount Morris, Ill.
A Study of the Technique in Heinrich Heine's Novelistic Prose.

Hartie Emil Zabel, Deer Creek, Minn.
The Semantic Development of Words for Mental Aberration in Germanic.

1916 William Denny Baskett, Professor of Modern Languages, William Jewell College, Liberty, Mo.
An Investigation of the Words for the Body and Its Parts in Later Germanic.

Alice Post Tabor, Instructor in German, University of California, Berkeley, Cal.
Goethe and the Revision of His Lyrics.

1918 Joseph Emanuel Alexander Alexis, Associate Professor of Modern Languages, University of Nebraska, Lincoln, Neb.
A Study of the Relative in Eighteenth-Century German Prose.

Malcolm Howard Dewey, Professor of German, Emory University, Oxford, Ga.
Herder's Relation to the Aesthetic Movement of the Eighteenth Century.

Lydia Elizabeth Frotscher, Assistant Professor of English, Sophie Newcomb College, New Orleans, La.
Some Profane Elements in Mediaeval Religious Poetry.

1919 Arthur Emanuel Wald, Professor and Head of the Department of Modern Languages, James Millikin University, Decatur, Ill.
The Aesthetic Theories of the German Storm and Stress Movement.

1921 Georgiana Rose Simpson, Professor of German and French, Dunbar High School, Washington, D.C.
Herder's Conception of "Das Volk."

## ENGLISH LANGUAGE AND LITERATURE

1894 Edwin Herbert Lewis, Professor of English and Dean of College Studies, Lewis Institute, Chicago, Ill.
The History of the English Paragraph.

1895 Frederic Ives Carpenter (formerly Professor of English, University of Chicago), 5533 Woodlawn Ave., Chicago, Ill.
Metaphor and Simile in the Minor Elizabethan Drama.

Myra Reynolds, Professor of English, University of Chicago, Chicago, Ill.
The Treatment of Nature in English Poetry between Pope and Wordsworth.

Oscar Lovell Triggs, 7706, 35th Ave., S.W., Seattle, Wash.
*The Assembly of Gods*, by John Lydgate (Edition).

1897 Mary Bowen (Mrs. W. H. Brainerd), Instructor in English, Wellesley College, Wellesley, Mass.
The Influence of Petrarch upon the Elizabethan Sonnet.

Alice Edwards Pratt (formerly Head of English Department, State Normal School, San Diego, Cal.), 2506 Collier Ave., San Diego, Cal.
The Use of Color in the Verse of the English Romantic Poets.

1898 Eleanor Prescott Hammond, Lecturer in English, Wellesley College, Wellesley, Mass.
Lydgate's *Dance macabre*.

1899 Martha Edith Rickert, Writer, 1205 E. 60th St., Chicago, Ill.
The Romance of Emaré (Edition).

1899 MALCOLM WILLIAM WALLACE, Professor of English, University of Toronto, Toronto, Canada.
The Influence of Plautus on the English Dramatic Literature of the Sixteenth Century. (Introduction to an edition of *The Birth of Hercules.*)

1903 ORIE LATHAM HATCHER, President, Southern Woman's Educational Alliance, Richmond, Va.
John Fletcher: A Study in Dramatic Method.

JOHN ROBERTSON MACARTHUR, Professor of English Literature, California Institute of Technology, Pasadena, Cal.
The First Part of *Sir John Oldcastle* (Edition).

GEORGE LINNAEUS MARSH, Extension Associate Professor of English, University of Chicago, Chicago, Ill.
Sources and Analogues of *The Flower and the Leaf.*

1904 CHARLES HENRY GRAY, Professor of English, Tufts College, Medford, Mass.
Lodowick Carliell.

1905 REGINALD HARVEY GRIFFITH, Professor of English, University of Texas, Austin, Tex.
Sir Perceval of Galles.

GEORGE FULLMER REYNOLDS, Professor of English, University of Colorado, Boulder, Colo.
Some Principles of Elizabethan Staging.

GEORGE COFFIN TAYLOR (formerly Assistant Professor of English, University of Colorado, Boulder, Colo.), Columbia, S.C.
Relations of Lyric and Drama in Medieval England.

1906 ABBIE MARY LYON SHARMAN (Mrs. Henry Burton Sharman), 67 Queen's Park, Toronto, Ontario, Canada.
English Book-Reviewing Journals up to 1749.

1907 JAMES FINCH ROYSTER, Professor of English, University of North Carolina, Chapel Hill, N.C.
A Middle English Treatise on the Ten Commandments (Edition).

1909 FRANK CLYDE BROWN, Professor and Head of the Department of English Literature, Trinity College, Durham, N.C.
Elkanah Settle: His Life and Works.

†DAVID LEE MAULSBY.
The contribution of Emerson to Literature.

1910 †EDWARD PAYSON MORTON.
The Technique of English Non-Dramatic Blank Verse.

MATTHEW LYLE SPENCER, Director, School of Journalism, University of Washington, Seattle, Wash.
Corpus Christi Pageants in England.

1911 CHARLES READ BASKERVILL, Professor of English, University of Chicago, Chicago, Ill.
English Elements in Jonson's Early Comedy.

HERBERT WYNFORD HILL, Professor and Head of the Department of English, University of Nevada, Reno, Nev.
La Calprenède's Romances and the Restoration Drama.

WALTER KAY SMART, Professor of English, Northwestern University School of Commerce, Chicago, Ill.
Some English and Latin Sources and Parallels for the Morality of *Wisdom.*

1912 THORNTON SHIRLEY GRAVES, Professor of English, University of North Carolina, Chapel Hill, N.C.
The Court and the London Theatres during the Reign of Elizabeth.

†Deceased

1912 Annette Brown Hopkins, Professor of English, Goucher College, Baltimore, Md.
The Influence of Wace on the Romances of Crestien de Troies.

James Root Hulbert, Associate Professor of English, University of Chicago, Chicago, Ill.
Chaucer's Official Life.

Thomas Albert Knott, Associate Professor of English, State University of Iowa, Iowa City, Iowa.
An Essay toward a Critical Text of the A-Version of *Piers the Plowman.*

Guy Andrew Thompson, Professor of English Literature, University of Maine, Orono, Me.
Elizabethan Criticism of Poetry.

1913 William Frank Bryan, Associate Professor of English, Northwestern University, Evanston, Ill.
Studies in the Dialects of the Kentish Charters of the Old English Period.

George Raleigh Coffman, Professor of English, Grinnell College, Grinnell, Iowa.
A New Theory Concerning the Origin of the Miracle Play.

Carson Samuel Duncan, National Industrial Conference Board, 15 Beacon St., Boston, Mass.
The New Science and English Literature in the Classical Period.

1914 Clyde Barnes Cooper, Associate Professor of English, Armour Institute of Technology, Chicago, Ill.
Some Elizabethan Opinions of the Poetry and Character of Ovid.

George Albert Nicholson (formerly Acting Head, Department of Rhetoric, De Pauw University, Greencastle, Ind.), Kusa, Okla.
English Words with Native Roots and with Greek, Latin, or Romance Suffixes.

Oscar Ludvig Olson, Professor of English and Acting President, Luther College, Decorah, Iowa.
The Relation of the *Hrólfs Saga Kraka* and the *Bjarkarímur* to *Beowulf:* A Contribution to the History of Saga Development in England and the Scandinavian Countries.

David Harrison Stevens, Assistant Professor of English, University of Chicago, Chicago, Ill.
Party Politics and English Journalism, 1702–1742.

1915 Evelyn May Albright, Instructor in English, University of Chicago, Chicago, Ill.
A Study of Printing and Publishing Conditions in England, 1580–1640, with Especial Reference to Conservation of Author's Rights.

Christopher Longest, Professor of Spanish, University of Mississippi, University, Miss.
Spanish Sources of Southey.

Martin Brown Ruud, Assistant Professor of English, University of Minnesota, Minneapolis, Minn.
An Essay toward a History of Shakespeare in Norway.

George Wiley Sherburn, Assistant Professor of English, University of Chicago, Chicago, Ill.
The Early Popularity of Milton's Minor Poems.

1916 Lee Monroe Ellison, Professor and Head of the Department of English, College of Industrial Arts, Denton, Tex.
The Early Romantic Drama at the English Court.

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The Griselda Story and Chaucer's Clerk's Tale.

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The Non-Cyclic Romances of Mediaeval England: A Literary and Bibliographical Study.

John Marcellus Steadman, Jr., Professor of English, Emory University, Atlanta, Ga.
The Origin of the Historical Present in English.

1917 Helen Sard Hughes, Associate Professor of English, Wellesley College, Wellesley, Mass.
The Life and Works of Mary Mitchell Collyer.

Elizabeth Willson, Instructor in English, University of Wisconsin, Madison, Wis.
The Middle English Legends of Visits to the Other World, and Their Relation to the Metrical Romances.

1918 Edgar Albert Hall, Professor of English, Adelphi College, Brooklyn, N.Y.
William Drury's *Alvredus sive Alfredus.*

1919 Earl Broadus Fowler, Professor and Head of the Department of English, University of Louisville, Louisville, Ky.
Spenser and the Courts of Love.

Kemp Malone, Assistant Professor of English, University of Minnesota, Minneapolis, Minn.
Studies in English Phonology.

1920 William Fenn De Moss, Professor of English, Nebraska Wesleyan University, University Place, Neb.
The Influence of Aristotle's "Politics" and "Ethics" on Spenser.

Emma Feild Pope, Instructor in English, University of Minnesota, Minneapolis, Minn.
The Reflection of Renaissance Criticism in "The Faerie Queene."

De Witt Talmage Starnes, Instructor in English, Rice Institute, Houston, Tex.
A Bibliographical History of the Funeral Elegy in England, 1500–1638.

William Flint Thrall, Assistant Professor of English, University of North Carolina, Chapel Hill, N.C.
The Legend of Snedgus and MacRiagla, Clerics of Colum Cille.

1921 Lily Bess Campbell, 5757 Woodlawn Ave., Chicago, Ill.
Scenes and Machines on the English Stage during the Renaissance: A Classical Revival.

Baldwin Maxwell, Instructor in English, Rice Institute, Houston, Tex.
Wily Beguiled.

Lois Whitney, Instructor in English, University of Minnesota, Minneapolis, Minn.
Studies in Eighteenth Century Primitivistic Theories of Epic Origins.

## MATHEMATICS AND PHYSICAL SCIENCE GROUP

### MATHEMATICS

1896 Leonard Eugene Dickson, Professor of Mathematics, University of Chicago, Chicago, Ill.
The Analytic Representation of Substitutions on a Power of a Prime Number of Letters with a Discussion of the Linear Group.

John Irwin Hutchinson, Professor of Mathematics, Cornell University, Ithaca, N.Y.
On the Reduction of Hyperelliptic Functions ($p=2$) to Elliptic Functions by a Transformation of the Second Degree.

1898 Herbert Ellsworth Slaught, Professor of Mathematics, University of Chicago, Chicago, Ill.
The Cross-Ratio Group of 120 Quadratic Cremona Transformations of the Plane.

1899 John Anthony Miller, Professor of Mathematics and Astronomy, Swarthmore College, Swarthmore, Pa.
Concerning Certain Elliptic Modular Functions of Square Rank.

1900 Gilbert Ames Bliss, Professor of Mathematics, University of Chicago, Chicago, Ill.
The Geodesic Lines on the Anchor Ring.

George Lincoln Brown, Professor of Mathematics, South Dakota Agricultural College, Brookings, S.D.
A Ternary Linear Substitution Group of Order 3.360.

William Gillespie, Professor of Mathematics, Princeton University, Princeton, N.J.
On the Reduction of Hyperelliptic Integrals ($p=3$) to Elliptic Integrals by Transformation of the Second and Third Degree.

Derrick Norman Lehmer, Associate Professor of Mathematics, University of California, Berkeley, Cal.
Asymptotic Evaluation of Totient Sums.

John Hector McDonald, Assistant Professor of Mathematics, University of California, Berkeley, Cal.
On the System of a Binary Cubic and Quadratic and the Reduction of Hyperelliptic Integrals of Genus Two to Elliptic Integrals by a Transformation of the Fourth Order.

Ernest Brown Skinner, Professor of Mathematics, University of Wisconsin, Madison, Wis.
Ternary Monomial Substitution Groups of Finite Order with Determinant $\pm 1$.

1901 William Findlay, Professor of Mathematics, McMaster University, Toronto, Ont.
The Sylow Subgroups of the Symmetric Group.

Thomas Milton Putnam, Professor of Mathematics and Dean of the Lower Division, University of California, Berkeley, Cal.
The Quaternary Linear Homogeneous Group and the Ternary Linear Fractional Group.

1903 Oswald Veblen, Professor of Mathematics, Princeton University, Princeton, N.J.
A System of Axioms for Geometry.

1904 William Henry Bussey, Professor and Chairman of Mathematics and Assistant Dean, University of Minnesota, Minneapolis, Minn.
Generational Relations for the Abstract Group Simply Isomorphic with the Group LF(2; $p^n$).

Herbert Edwin Jordan, Assistant Professor of Mathematics, University of Kansas, Lawrence, Kan.
Group Characters of Various Linear Groups.

Arthur Whipple Smith, Professor of Mathematics and Head of the Department, Colgate University, Hamilton, N.Y.
Symbolic Treatment of Differential Geometry.

1905 Thomas Emory McKinney, Professor of Mathematics and Astronomy, University of South Dakota, Vermillion, S.D.
Concerning a Certain Type of Continued Fractions Depending on a Variable Parameter.

Robert Lee Moore, Associate Professor of Mathematics, University of Texas, Austin, Tex.
Sets of Metrical Hypotheses for Geometry.

1906 William Raymond Longley, Professor of Mathematics, Yale University, New Haven, Conn.
A Class of Periodic Orbits of an Infinitesimal Body Subject to the Attraction of $n$ Finite Bodies.

Arthur Ranum, Assistant Professor of Mathematics, Cornell University, Ithaca, N.Y.
The Group of Classes of Congruent Matrices with Application to the Group of Ismorphisms of Any Abelian Group.

Anthony Lispenard Underhill, Associate Professor of Mathematics, University of Minnesota, Minneapolis, Minn.
Invariants under Point Transformations in the Calculus of Variations.

Buzz M. Walker, Professor of Mathematics, Dean of School of Engineering, Vice-President Mississippi Agricultural and Mechanical College, Agricultural College, Miss.
On the Resolution of Higher Singularities of Algebraic Curves into Ordinary Double Points.

1907 George David Birkhoff, Professor of Mathematics, Harvard University, Cambridge, Mass.
Asymptotic Properties of Certain Ordinary Differential Equations, with Applications to Boundary Value and Expansion Problems.

Robert Lacy Börger, Professor of Mathematics, Ohio University, Athens, Ohio.
On the Determination of Ternary Linear Groups in the Galois Field of Order $p^2$.

Louis Ingold, Assistant Professor of Mathematics, University of Missouri, Columbia, Mo.
Vector Interpretation of Symbolic Parameters.

Nels Johann Lennes, Professor of Mathematics and Head of the Department, University of Montana, Missoula, Mont.
Curves in Non-metrical Analysis Situs with an Application in the Calculus of Variations.

Frederick William Owens, Assistant Professor of Mathematics, Cornell University, Ithaca, N.Y.
The Introduction of Ideal Elements and Construction of Projective $n$-space in Terms of a Planar System of Points.

Norman Richard Wilson, Professor of Mathematics, University of Manitoba, Winnipeg, Canada.
Isoperimetrical Problems Which Are Reducible to Non-isoperimetrical Problems.

1908 Mary Emily Sinclair, Associate Professor of Mathematics, Oberlin College, Oberlin, Ohio.
On a Compound Discontinuous Solution Connected with the Surface of Revolution of Minimum Area.

1909 Thomas Buck, Assistant Professor of Mathematics, University of California, Berkeley, Cal.
Oscillating Satellites near the Lagrangian Equilateral Triangular Points.

Arnold Dresden, Associate Professor of Mathematics, University of Wisconsin, Madison, Wis.
The Second Derivatives of the Extremal-Integral.

Harris Franklin MacNeish, Assistant Professor of Mathematics, College of the City of New York, New York City.
Linear Polars of the $k$-hedron in $n$-space.

1910 Richard Philip Baker, Associate Professor of Mathematics, State University of Iowa, Iowa City, Iowa.
The Problem of the Angle-Bisectors.

William Hunt Bates, Associate Professor of Mathematics, Purdue University, Lafayette, Ind.
An Application of Symbolic Methods of the Treatment of Mean Curvatures in Hyper-Space.

Theophil Henry Hildebrant, Associate Professor of Mathematics, University of Michigan, Ann Arbor, Mich.
A Contribution to the Foundations of Fréchet's Calcul Fonctionnel.

Egbert J. Miles, Assistant Professor of Mathematics, Yale University, New Haven, Conn.
The Absolute Minimum of a Definite Integral in a Special Field.

Anna Johnson Pell, Associate Professor of Mathematics, Bryn Mawr College, Bryn Mawr, Pa.
I. Biorthogonal Systems of Functions. II. Application to the Theory of Integral Equations.

Arthur Dunn Pitcher, Professor and Head of the Department of Mathematics, Western Reserve University, Cleveland, Ohio.
The Interrelation of Eight Fundamental Properties of Classes of Functions.

Marion Ballantyne White, Associate Professor of Mathematics, and Dean of Women, Carleton College, Northfield, Minn.
The Dependence of the Focal Point on Curvature in Space Problems of the Calculus of Variations.

1911 Lloyd Lyne Dines, Professor of Mathematics, University of Saskatchewan, Saskatoon, Canada.
The Highest Common Factor of a System of Polynomials, with an Application to Implicit Functions.

Theodore Lindquist, Professor and Head of the Department of Mathematics, State Normal School, Emporia, Kan.
Mathematics for Freshman Students of Engineering.

Ralph Eugene Root, Professor of Mathematics, Graduate School, U.S. Naval Academy, Annapolis, Md.
Iterated Limits in General Analysis.

Albert Harris Wilson, Associate Professor of Mathematics, Haverford College, Haverford, Pa.
The Canonical Types of Nets of Quadratic Forms in the Galois Field of Order $p^n$.

1912 Edward Wilson Chittenden, Associate Professor of Mathematics, State University of Iowa, Iowa City, Iowa.
Infinite Developments and the Composition Property $(K_{12}B_1)_*$ in General Analysis.

1912 Charles Albert Fischer, Professor of Mathematics and Astronomy, Trinity College, Hartford, Conn.
Some Contributions to the Theory of Functions of Lines.

Charles Thompson Sullivan, Associate Professor of Mathematics, McGill University, Montreal, Canada.
Properties of Surfaces Whose Asymptotic Lines Belong to Linear Complexes.

1913 William Charles Krathwohl, Associate Professor of Mathematics, Armour Institute of Technology, Chicago, Ill.
Modular Invariants of Two Pairs of Cogredient Variables.

Wilson Lee Miser, Associate Professor of Mathematics, Armour Institute, Chicago, Ill.
On Linear Homogeneous Differential Equations with Elliptic Function Coefficients.

†Frank Marion Morrison.
On the Relation between Some Important Notions of Projective and Metrical Differential Geometry.

Elton James Moulton, Professor of Mathematics, Northwestern University, Evanston, Ill.
On Figures of Equilibrium of a Rotating Heterogeneous Fluid Body.

†Mildred Leonora Sanderson.
Formal Modular Invariants with an Application to Binary Modular Covariants.

1914 Myer Grupp Gaba, Assistant Professor of Mathematics, University of Nebraska, Lincoln, Neb.
A Set of Postulates for General Projective Geometry of $n$ Dimensions.

Harold Reynolds Kingston, Professor and Head of the Department of Mathematics, Western University, London, Ontario, Canada.
Metric Properties of Nets of Plane Curves.

William Vernon Lovitt, Professor of Mathematics, Colorado College, Colorado Springs, Colo.
A Type of Singular Points for a Transformation of Three Variables.

Forbes Bagley Wiley, Professor of Mathematics, Denison University, Granville, Ohio.
Proof of the Finiteness of Modular Covariants of a System of Binary Form of Cogredient Points.

1915 Allen Fuller Carpenter, Associate Professor of Mathematics, University of Washington, Seattle, Wash.
Ruled Surfaces Whose Flecnode Curves Have Plane Branches.

Charles Ross Dines, Federal Reserve Bank, Chicago, Ill.
Functions of Positive Type and Selected Topics in General Analysis.

Jasper Ole Hassler, Associate Professor of Mathematics, University of Oklahoma, Norman, Okla.
Plane Nets Periodic of Period Three under the Laplace Transformation.

Olive Clio Hazlett, Assistant Professor of Mathematics, Mount Holyoke College, South Hadley, Mass.
On the Classification and Invariantive Characterizations of Nilpotent Algebras.

Archibald Henderson, Professor of Mathematics, University of North Carolina, Chapel Hill, N.C.
The Twenty-seven Lines upon the Cubic Surface.

Alfred Lewis Nelson, Assistant Professor of Mathematics, University of Michigan, Ann Arbor, Mich.
Plane Nets with Equal Laplace-Darboux Invariants.

† Deceased.

1915 VINCENT COLLINS POOR, Assistant Professor of Mathematics, University of Michigan, Ann Arbor, Mich.
A Certain Type of Exact Solution of the Equations of Motion of a Viscous Liquid.

SAMUEL WATSON REAVES, Professor and Head of the Department of Mathematics, University of Oklahoma, Norman, Okla.
Metric Properties of Flecnodes on Ruled Surfaces.

MARY EVELYN WELLS, Assistant Professor of Mathematics, Vassar College, Poughkeepsie, N.Y.
The Determination of All Inequalities of Certain Types in General Linear Integral Equation Theory.

CHESTER HENRY YEATON, Assistant Professor of Mathematics, Oberlin College, Oberlin, Ohio.
Surfaces Characterized by Certain Properties of Their Directrix Congruences.

1916 ELMER DANIEL GRANT, Professor of Mathematics, Earlham College, Richmond, Ind.
The Motion of a Flexible Cable in a Vertical Plane.

ARTHUR MCCRACKEN HARDING, Professor of Mathematics and Director of General Extension, University of Arkansas, Fayetteville, Ark.
On Certain Loci Projectively Connected with a Given Plane Curve.

WILLIAM LEROY HART, Associate Professor of Mathematics, University of Minnesota, Minneapolis, Minn.
Differential Equations and Implicit Functions in Infinitely Many Variables.

GILLIE ALDAH LAREW, Professor of Mathematics, Randolph-Macon Woman's College, Lynchburg, Va.
Necessary Conditions for the Problem of Mayer in the Calculus of Variations.

ARTHUR SHEPARD MERRILL, Associate Professor of Mathematics, University of Montana, Missoula, Mont.
An Isoperimetric Problem with Variable End-Points.

ARTHUR RICHARD SCHWEITZER, Chicago, Ill.
Les Idées directrices de la logique génétique des mathématiques.

DAVID MELVILLE SMITH, Associate Professor of Mathematics, Georgia School of Technology, Atlanta, Ga.
Jacobi's Condition for the Problem of Lagrange in the Calculus of Variations.

PAULINE SPERRY, Instructor in Mathematics, University of California, Berkeley, Cal.
Properties of a Certain Projectively Defined Two-Parameter Family of Curves on a General Surface.

1917 JACOB MILLISON KINNEY, Instructor in Mathematics, Crane Junior College, Chicago, Ill.
The General Theory of Congruences without Any Preliminary Integration.

KENNETH WORCESTER LAMSON, Instructor in Mathematics, Columbia University, New York, N.Y.
A General Implicit Function Theorem, with an Application to Problems of Relative Minimum.

FLORA ELIZABETH LE STOURGEON, Assistant Professor of Mathematics, University of Kentucky, Lexington, Ky.

†JAMES ELIJAH MCATEE.
Modular Invariants of a Quadratic Form for a Prime Power Modulus.

† Deceased.

1917 William Pinkerton Ott, Associate Professor of Mathematics, Vanderbilt University, Nashville, Tenn.
The General Problem of the Type of the Brachistochrone with Variable End-Points.

Levi Stephen Shively, Professor of Mathematics and Acting President, Mount Morris College, Mount Morris, Ill.
A New Basis for the Metric Theory of Congruences.

Thomas McNider Simpson, Jr., Professor of Mathematics, Randolph-Macon College, Ashland, Va.
Relation between the Metric and Projective Theories of Space Curves.

1918 Israel Albert Barnett, Assistant Professor of Mathematics, University of Saskatchewan, Saskatoon, Canada.
Differential Equations with a Continuous Infinitude of Variables.

George Hoffman Cresse, Associate Professor of Mathematics, University of Arizona, Tuczon, Ariz.
On the Class Numbers of Binary Quadratic Forms.

Ernest Preston Lane, Assistant Professor of Mathematics, University of Wisconsin, Madison, Wis.
Conjugate Systems with Indeterminate Axis Curves.

Webster Godman Simon, Assistant Professor of Mathematics, Western Reserve University, Cleveland, Ohio.
On the Solution of Certain Types of Linear Differential Equations in Infinitely many variables.

1919 Cyril Arthur Nelson, Associate in Mathematics, Johns Hopkins University, Baltimore, Md.
Conjugate Systems with Conjugate Axis Curves.

1920 Gladys Elizabeth Carson Gibbens, Instructor in Mathematics, University of Minnesota, Minneapolis, Minn.
Comparison of Different Line Geometric Representations for Functions of a Complex Variable.

John Wayne Lasley, Jr., Associate Professor of Mathematics, University of North Carolina, Chapel Hill, N.C.
Some Special Cases of the Flecnode Transformations of Ruled Surfaces.

Irwin Roman, Instructor in Mathematics, Northwestern University, Evanston, Ill.
The Transformation of Waves through a Symmetrical Optical Instrument.

William Lloyd Garrison Williams, Instructor in Mathematics, Cornell University, Ithaca, N.Y.
Fundamental System of Formal Modular Simi-Invariants of the Binary Cubic.

Frank Edwin Wood, Assistant Professor of Mathematics, North-Western University, Evanston, Ill.
On Certain Relations between the Projective Theory of Surfaces and the Projective Theory of Congruences.

1921 Edward Hegeler Carus, President of the Carus Chemical Company, LaSalle, Ill.
Invariants as Products: A Vector Interpretation of the Symbolic Method.

Claribel Kendall, Assistant Professor of Mathematics, University of Colorado, Boulder, Colo.
Certain Congruences Determined by a given Surface.

1921 Mayme Irwin Logsdon, Instructor in Mathematics, University of Chicago, Chicago, Ill.
Equivalents and Reduction of Pairs of Hermitian Forms.

Cyrus Colton MacDuffee, Instructor in Mathematics, Princeton University, Princeton, N.J.
Invariantive Characterizations of Linear Algebras with the Associative Law Not Assumed.

## MATHEMATICAL ASTRONOMY

1900 Forest Ray Moulton, Professor of Astronomy, University of Chicago, Chicago, Ill.
Periodic Oscillating Satellites.

1903 William Albert Hamilton, Professor and Head of the Department of Mathematics, Beloit College, Beloit, Wis.
The True Radii of Convergence for Expansions as Power Series in the Time, in the Case of Parabolic Motion.

1904 Arthur Constant Lunn, Associate Professor of Applied Mathematics, University of Chicago, Chicago, Ill.
The Differential Equations of Dynamics.

1905 Delonzo Tate Wilson, Associate Professor of Mathematics, Case School of Applied Science, Cleveland, Ohio.
Work on Minor Planets.

1906 Frank Loxley Griffin, Professor of Mathematics, Reed College, Portland, Ore.
Certain Periodic Orbits of $k$ Finite Bodies Revolving about a Relatively Large Central Mass.

1908 William Duncan MacMillan, Associate Professor of Astronomy, University of Chicago, Chicago, Ill.
Periodic Orbits about an Oblate Spheroid.

1909 Herbert Earle Buchanan, Professor of Mathematics, Tulane University, New Orleans, La.
Periodic Oscillations of Three Finite Masses about the Langrangian Circular Solutions.

1911 Daniel Buchanan, Professor of Mathematics, University of British Columbia, Vancouver, B.C.
A Class of Periodic Solutions of the Problem of Three Bodies, Two of Equal Mass, the Third Moving on a Straight Line.

1913 Lloyd Arthur Heber Warren, Professor of Mathematics, University of Manitoba, Winnipeg, Canada.
A Class of Asymptotic Orbits in the Problem of Three Bodies.

1915 John William Campbell, Associate Professor of Mathematics, University of Alberta, Edmonton, Alberta.
Periodic Solution of the Problem of Three Bodies in Three Dimensions.

Louis Allen Hopkins, Assistant Professor of Mathematics, University of Michigan, Ann Arbor, Mich.
On the Theory of the Motion of the Small Planets with a Periodic Orbit for the Hilda Type.

## PRACTICAL ASTRONOMY AND ASTROPHYSICS

1913 Curvin Henry Gingrich, Professor of Mathematics and Astronomy, Carleton College, Northfield, Minn.
A Determination of the Photographic Magnitudes of Comparison Stars in Certain Hagen Fields.

1913 Oliver Justin Lee, Instructor in Practical Astronomy, Yerkes Observatory, Williams Bay, Wis.
The Spectroscopic System 9 Camelopardalis.

1914 Frank Craig Jordan, Professor of Astronomy, University of Pittsburgh, Pittsburgh, Pa.
The Color-Changes of Certain Variable Stars of Short Periods.

1915 Harlan True Stetson, Assistant Professor of Astronomy, Harvard University, Cambridge, Mass.
On the Apparatus and on Methods for Thermo-electric Measurements in Photographic Photometry, with Application to the Determination of Magnitude, Spectral Intensities, and the Light Curves of Variable Stars.

1917 Edwin Powell Hubble, Astronomer, Mount Wilson Observatory, Pasadena, Cal.
Photographic Investigations of Faint Nebulae.

1919 Hannah Steele Pettit, Pasadena, Cal.
The Proper Motions and Parallaxes of 359 Stars in the Cluster h Persei, Derived from Photographs Made with the 40-Inch Refractor of the Yerkes Observatory.

1920 Alice Hall Farnsworth, Instructor in Astronomy, Mount Holyoke College, South Hadley, Mass.
Comparison of the Photometric Fields of the 6-Inch Doublet, 24-Inch Reflector, and 40-Inch Refractor with Some Investigation of the Astrometric Field of the Reflector.

Edison Pettit, Assistant, Mount Wilson Observatory, Pasadena, Cal.
The Form and Motions of the Solar Prominences.

1921 Harriet McWilliams Parsons, Assistant Professor of Astronomy, Smith College, Northampton, Mass.
Astrometric and Photometric Statistics of Certain of Hagen's Fields Photographed with the Two-Foot Reflector of the Yerkes Observatory.

## PHYSICS

1897 Gordon Ferry Hull, Professor of Physics, Dartmouth College, Hanover, N.H.; Major in Ordnance, U.S.A.
On the Use of the Interferometer in the Study of Electric Waves.

Isabelle Stone, Principal, American School for Girls, Rome, Italy.
On the Electrical Resistance of Thin Films.

1898 Edwin Sheldon Johonnott, Professor of Physics, Rose Polytechnic Institute, Terre Haute, Ind.
Thickness of the Black Spot in Liquid Films.

1899 Henry Gordon Gale, Professor of Physics, University of Chicago, Chicago, Ill.
On the Relation between Density and Index of Refraction of Air.

1900 Robert Francis Earhart, Professor of Physics, Ohio State University, Columbus, Ohio.
The Sparkling Potentials between Plates at Small Distances.

1901 Fritz Reichmann, Practical Physicist, Troy, N.Y.
The Capacities of Air Condensers for Very Small Distances between the Plates.

1902 Frank Baldwin Jewett, Vice-President and Chief Engineer, Western Electric Co., New York, N.Y.
A New Method of Determining the Vapor-Density of Metallic Vapors.

1904 Thomas Eaton Doubt, Professor of Physics, Armour Institute of Technology, Chicago, Ill.
The Effect of Intensity upon the Velocity of Light.

1904 Fannie Cornelia Frisbie (Mrs. Frank B. Jewett), Short Hills, N.J.
The Effects of Pressure on Magnetic Induction.

Thomas Carlyle Hebb, Professor of Physics, University of British Columbia, Vancouver, Canada.
The Velocity of Sound.

1905 Frederic Lendhall Bishop, Professor of Physics, University of Pittsburgh, Pittsburgh, Pa.
The Thermal Conductivity of Lead.

Glenn Moody Hobbs, Director of Technical Laboratories, Sears Roebuck & Co., Chicago, Ill.
The Relation between P.D. and Spark-Length for Small Values of the Latter.

Carleton John Lynde, Professor of Physics, MacDonald College, Quebec, Canada.
The Effect of Pressure on Surface Tension.

1906 William Richards Blair, Major, Signal Corps, U.S. Army, in charge Meteorological Division, Washington, D.C.
The Change of Phase Due to the Passage of Electric Waves through Thin Films.

Lawrence Emery Gurney, Professor of Physics, University of the Philippines, Manila, P.I.
The Viscosity of Water at Low Rate of Shear.

1907 Oliver Charles Clifford, Professor of Electrical Engineering, Armour Institute of Technology, Chicago, Ill.
Susceptibility of Copper and Tin and Their Alloys.

George Winchester, Professor of Physics, Rutgers College, New Brunswick, N.J.
Discharge of Electricity from Metals under the Influence of Ultra-Violet Light.

1909 William Ross Ham, Professor of Physics, Pennsylvania State College, State College, Pa.
The Polarization of Primary X-Rays.

Charles Albert Proctor, Professor of Physics, Dartmouth College, Hanover, N.H.
The Variation of $\frac{e}{m}$ with Speed in the Case of Cathode Rays.

Newland Farnsworth Smith, Professor and Head of Physics, Military College of South Carolina, The Citadel, Charleston, S.C.
Effect of Tension on Thermal and Electrical Conductivity.

1910 Louis Begeman, Professor of Physics, Iowa State Teachers College, Cedar Falls, Iowa.
The Determination of "e" by the Cloud Method.

J. Harry Clo, Professor and Head of the Department of Physics, University of Pittsburgh, Pittsburgh, Pa.
The Effect of Temperature upon the Ionization of Gas.

Ansel Alphonso Knowlton, Professor and Head of the Department of Physics, Reed College, Portland, Ore.
Preparation and Testing of Heusler Alloys.

John Mathias Kuehne, Professor of Physics, University of Texas, Austin, Tex.
The Electrostatic Effect of a Changing Magnetic Field.

James Remus Wright, Head of Engine Research Laboratory, Standard Oil Co., Elizabeth, N.J.
Photo-electric Effects of Aluminum as a Function of the Wave-Length of the Incident Light.

1911 Harold De Forest Arnold, Head of Research Laboratory, Western Electric Co., New York, N.Y.
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†Edwin Sherwood Bishop.
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Harvey Fletcher, Research Laboratory, Western Electric Co., New York, N.Y.
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Harvey Brace Lemon, Associate Professor of Physics, University of Chicago, Chicago, Ill.
The Influence of Temperature upon the Intensities of the Lines of the Hydrogen Spectrum.

Howard Wilson Moody, Professor and Head of the Department of Physics, Mississippi Agricultural College, Agricultural College, Miss.
A Determination of the Ratio of the Specific Heats and the Specific Heat at Constant Pressure of Air and Carbon Dioxide.

1913 Lachlan Gilchrist, Assistant Professor of Physics, University of Toronto, Toronto, Ontario, Canada.
An Absolute Determination of the Viscosity of Air.

Edward James Moore, Professor and Head of the Department of Physics, University of Buffalo, Buffalo, N.Y.
Reaction Effects Produced by the Discharge of Electricity from Points in Gases and the Bearing of These Effects on the Theory of the Small Ion.

1914 Albert Edward Hennings, Associate Professor of Physics, University of British Columbia, Vancouver, B.C.
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Verne Frank Swaim, Professor of Physics, Bradley Polytechnic Institute, Peoria, Ill.
The Pressure-Shift of Lines in the Spectrum of Zinc.

1915 William Henry Kadesch, Professor of Physics, Iowa State Teachers' College, Cedar Falls, Iowa.
The Energy of Photo-Electrons from Sodium and Potassium as a Function of the Frequency of the Incident Light.

John Yiu-bong Lee, Head of Lecture Department, Y.M.C.A. in China, 20 Museum Road, Shanghai, China.
The Determination of "e" by the Millikan Method Using Solid Spheres.

Isaiah March Rapp, Professor of Physics, University of Montana, Missoula, Mont.
The Flow of Air through Capillary Tubes.

Oscar William Silvey, Professor of Physics, Texas Agricultural and Mechanical College, College Station, Tex.
A Comparison of the Fall of a Droplet in a Liquid and in a Gas.

1916 Arthur Jeffery Dempster, Assistant Professor of Physics, University of Chicago, Chicago, Ill.
The Properties of Slow Canal Rays.

Ertle Leslie Harrington, Professor of Physics, University of Saskatchewan, Saskatoon, Canada.
A Redetermination of the Absolute Value of the Coefficient of Viscosity of Air.

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1916 Yoshio Ishida, Physicist, Imperial Institute, Tokyo, Japan.
The Kinetic Theory of Rigid Molecules.

Leonard B. Loeb, National Research Fellow in Physics, University of Chicago, Chicago, Ill.
Mobility of Gaseous Ions in High Electric Fields.

Carl Danforth Miller, Assistant Professor of Physics, University of Manitoba, Winnipeg, Canada.
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Benjamin Estill Shackelford, Physicist, The Westinghouse Co., New York, N.Y.
Temperature and Blackening Effects in Helical Tungsten Filaments.

William Henry Souder, Physicist, Bureau of Standards, Washington, D.C.
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Walter Ticknor Whitney, Assistant Professor of Physics, California Institute of Technology, Pasadena, Cal.
The Pole Effect in a Calcium Arc.

1917 Karl Kelchner Darrow, Research Physicist, Western Electric Co., New York, N.Y.
Preliminary Report on a New Method for Determining the Velocity of Sound in Gases.

Victor Hugo Gottschalk, Research Engineer, % Society of Automotive Engineers, New York City.
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Leopold Joseph Lassalle, Professor of Mechanical Engineering, University of Louisiana, Baton Rouge, La.
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Margaret Calderwood Shields, Associate Professor of Physics, Mount Holyoke College, South Hadley, Mass.
A Determination of the Ratio of the Specific Heats of Hydrogen at 18 Degrees and −190 Degrees.

1919 John Bewley Derieux, Professor of Physics, North Carolina State College, Raleigh, N.C.
I. The Use of Mercury Droplets in Millikan's Experiment.
II. Photo-Electric Effects on Mercury Droplets.

Charles Frederick Hagenow, Associate Professor of Physics, Washington University, St. Louis, Mo.
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Mervin Joe Kelly, Research Physicist, Western Electric Research Laboratory, New York, N.Y.
The Valency of Photo-Electrons and the Photo-electric Properties of Some Insulators.

Harold W. Nichols, Research Engineer, Western Electric Research Laboratory, New York, N.Y.
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Ralph Alanson Sawyer, Assistant Professor of Physics, University of Michigan, Ann Arbor, Mich.
Metallic Spark Spectra in the Extreme Ultra-Violet.

Leland Johnson Stacy, Telephone Development Engineer, Western Electric Co., New York, N.Y.
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1920 Ira Garnett Barber, Research Physicist, Linde Air Products Co., Buffalo, N.Y.
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Oswald Blackwood, Assistant Professor of Physics, University of Pittsburgh, Pittsburgh, Pa.
On the Existence of Homogeneous Groups of Large Ions.

Otto Koppius, Assistant Professor of Physics, Oberlin College, Oberlin, Ohio.
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Harold Horton Sheldon, Assistant Professor of Physics, Washington Square College, New York City.
Charcoal Activation.

1921 William Kunerth, Associate Professor of Physics, Iowa State College of Agriculture and Mechanical Arts, Ames, Iowa.
The Solubility of $CO_2$ and $N_2O$ in Certain Solvents.

Louallen Fredrick Miller, Assistant Professor of Physics, University of Minnesota, Minneapolis, Minn.
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John Preston Minton, National Research Fellow in Physics, University of Chicago, Chicago, Ill.
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William Ralph Smythe, Assistant Professor of Physics, University of the Philippines, Manila, P.I.
The Spectrum of Fluorine.

Karl Skillman VanDyke, Assistant Professor of Physics, Wesleyan University, Middletown, Conn.
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Hugo Bernard Wahlin, Instructor in Physics, University of Wisconsin, Madison, Wis.
Behavior of Free Electrons toward Gas Molecules.

Thomas Russell Wilkins, Professor of Physics, Brandon College, Brandon, Manitoba, Canada.
Multiple Valency in the Ionization by Alpha Rays.

## CHEMISTRY

1894 Adolph Bernhard, Professor of Chemistry, State Normal School, La Crosse, Wis.
Ueber die Einführung von Acylen in den Benzoylessigaether.

Warren Rufus Smith, Professor and Head of the Department of Chemistry, Lewis Institute, Chicago, Ill.
On the Addition Products of the Aromatic Isocyanides.

1896 Bernard Conrad Hesse, Consulting Chemist, General Chemical Co., New York City.
On Malonic Nitrile and Some of Its Derivatives.

Samuel Ellis Swartz, Professor of Chemistry and Physics, Fairmount College, Wichita, Kan.
The Action of Sodium Ethylate on Amide Bromides.

1897 James Bert Garner, Professor and Head of the Department of Chemical Engineering, University of Pittsburgh, and Director of Research, Hope Natural Gas Co., Pittsburgh, Pa.
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1897 LAUDER WILLIAM JONES, Research Professor of Organic Chemistry, Princeton University, Princeton, N.J.
On Salts of Nitroparaffine and Acylated Derivatives of Hydroxylamine.

1898 FRANK BURNETT DAINS, Professor of Chemistry, University of Kansas, Lawrence, Kan.
On the Isourea Ethers and Other Derivatives of Ureas.

OTTO FOLIN, Hamilton Kuhn Professor of Biological Chemistry, Harvard Medical School, Boston, Mass.
On Urethanes.

ELIZABETH JEFFREYS, Professor of Chemistry, Pritchett College, Glasgow, Mo.
On Undecylamine and Pentadecylamine and the Preparation of the Higher Amines of the Aliphatic Series.

HERBERT NEWBY MCCOY, Vice-President, Linsay Light Co., Chicago, Ill.
On the Hydrochlorides of Carbo-phenylimido Derivatives.

1899 JOHN CHARLES HESSLER, Professor and Head of the Department of Chemistry, Knox College, Galesburg, Ill.
On Alkyl Malonic Nitriles and Their Derivatives.

WILLIAM MCPHERSON, Professor and Head of the Department of Chemistry and Dean of the Graduate School, Ohio State University, Columbus, Ohio.
On the Nature of the Oxyazo Compounds.

JAMES HARVEY RANSOM, Professor and Head of the Department of Chemistry, James Millikin University, Decatur, Ill.
On the Molecular Rearrangement of o-Aminophenyl Ethyl Carbonate to o-Oxyphenylurethane.

1900 HENRY CHALMBERS BIDDLE, Chemist, Berkeley, Cal.
Ueber Derivate des Isuretins, der Formhydroxamsäure und ihre Beziehungen zur Knallsäure.

1901 RALPH HARPER MCKEE, Professor of Chemical Engineering, Columbia University, New York, N.Y., and Director of Research Laboratory, Tennessee Copper Co., Ridgewood, N.J.
On the Oxygen Ethers of the Ureas: Methyl- and Ethylisourea.

1902 SOLOMON FARLEY ACREE, Research Chemist, National Wood Chemical Association, Syracuse, N.Y.
On Sodium Phenyl and the Action of Sodium on Ketones.

WALLACE APPLETON BEATTY, Research Chemist, Beechnut Packing Co., Brooklyn, N.Y.
The Action of Carbon Monoxide on Sodium Alcoholates Alone and in the Presence of Salts of Fatty Acids.

EUGENE PAUL SCHOCH, Professor and Chairman of the School of Chemistry and Chairman of the School of Chemical Engineering, University of Texas, Austin, Tex.
The Red and the Yellow Mercuric Oxides and the Mercuric Oxychlorides.

EDWIN EMERY SLOSSON, Editor, *Scientific News Service*, Washington, D.C.
On Acylhalogenamine Derivatives and the Beckmann Rearrangement.

1903 HENRY TABOR UPSON, President and Treasurer, Pease Oil Co., Buffalo, N.Y.
The Molecular Rearrangement of Aminophenylalkyl Carbonates.

1904 MAXWELL ADAMS, Professor of Chemistry, University of Nevada, Reno, Nev.
On Some Hydroxylamine Compounds.

1904 Raymond Foss Bacon, Consulting Chemist, New York, N.Y.
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William McAfee Bruce, Brinkley, Ark.
On the Oxygen Ethers of Urea.

Nellie Esther Goldthwaite, Associate Professor of Home Economics, Colorado State Agricultural College, Fort Collins, Colo.
On Substituted Benxhydrol Derivatives and Bromcyanacetic Ether.

Oswin W. Willcox, Chief Chemist and Superintendent, Aetna Explosives Co., Mount Union, Pa.
On the Reactions of Ethyl Chlorsulphonate.

1905 William Lloyd Evans, Professor of Chemistry, Ohio State University, Columbus, Ohio.
On the Behavior of Benzoyl Carbinol toward Alkalies and Oxidizing Agents.

William McCracken, Professor of Chemistry, State Normal School, Kalamazoo, Mich.
Studies in Catalysis. V. The Catalysis of Imidoesters.

Hermann Irving Schlesinger, Professor of Chemistry, University of Chicago, Chicago, Ill.
Studies in Catalysis. VI. The Catalysis of Imidoesters.

1906 Roy Hutchinson Brownlee, President, Brownlee Laboratory, Pittsburgh, Pa.
On Precipitated Sulphur.

Charles M. Carson, Professor and Head of the Department of Chemistry, Houghton School of Mines, Houghton, Mich.
On Amorphous Sulphur: Further Study of the Two Forms of Liquid Sulphur as Dynamic Isomers.

Henry Max Goettsch, Assistant Professor of Technical Chemistry, University of Cincinnati, Cincinati, Ohio.
The Absorption Coefficients of Uranium Compounds.

Willis Stose Hilpert, Vice-President, The Miner Laboratories, Chicago, Ill.
Stereoisomeric Chlorimido Acid Esters.

James Wright Lawrie, Research Chemist, E. I. du Pont de Nemours and Co., Wilmington, Del.
The Chemistry of the Acetylidene Compounds.

Andrew Fridley McLeod, Professor of Physical Chemistry, William and Mary College, Williamsburg, Va.
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1907 †Edith Ethel Barnard.
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Katharine Blunt, Associate Professor of Food Chemistry and Chairman of the Department of Home Economics, University of Chicago, Chicago, Ill.
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Willey Denis, Assistant Professor of Chemistry, Tulane University, New Orleans, La.
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Robert Anderson Hall, Research Chemist, Colgate and Co., New York, N.Y.
The Action of Ammonia on Isourea Esters.

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1907 Louis Allen Higley, Professor of Chemistry, New Mexico College of Agriculture and Mechanical Arts, State College, N.M.
On the Behavior of Sodium and Sodium Alcoholates toward Various Esters.

William Horace Ross, Research Chemist, Bureau of Soils, Department of Agriculture, Washington, D.C.
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Louis A. Test, Professor of General Chemistry, Purdue University, Lafayette, Ind.
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1908 George Cromwell Ashman, Professor of Chemistry, Bradley Institute, Peoria, Ill.
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1909 Ernest Anderson, Professor of Chemistry, University of Nebraska, Lincoln, Neb.
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William Weldon Hickman, Professor of Chemistry, Assuit College, Assuit, Egypt.
The Catalysis of Imidoesters.

Winford Lee Lewis, Professor and Head of the Department of Chemistry, Northwestern University, Evanston, Ill.
On the Action of Fehling's Solution on Malt Sugar.

Peter Powell Peterson, Ranch Owner, Idaho Falls, Idaho.
Stereoisomerism of Chlorimido-Ketones.

Lemuel Charles Raiford, Professor of Chemistry, University of Iowa, Iowa City, Iowa.
Chlorimido Quinones.

Herman Augustus Spoehr, Chemist, Carnegie Institution, Carmel, Cal.
The Behavior of the Ordinary Hexoses toward Hydrogen Peroxide in the Presence of Alkaline Hydroxides as Well as of Various Iron Salts.

1910 Emma Perry Carr, Professor and Head of the Department of Chemistry, Mount Holyoke College, Mount Holyoke, Mass.
The Aliphatic Imidoesters.

Elbert Edwin Chandler, Professor of Chemistry, Occidental College, Los Angeles, Cal.
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Ira Harris Derby, Consulting Chemist, Republic Creosoting Co., Indianapolis, Ind.
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Stewart Joseph Lloyd, Professor and Head of the Department of Chemistry and Metallurgy, University of Alabama, University, Ala.
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Alan W. C. Menzies, Professor of Chemistry, Princeton University, Princeton, N.J.
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John Colin Moore, Instructor in Chemistry, Crane Junior College, Chicago, Ill.
The Action of Water on Acyl Isoureas.

William Cabler Moore, Research Chemist, U.S. Industrial Alcohol Co., Baltimore, Md.
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1910 Fred Wilbert Upson, Professor and Head of the Department of Chemistry, University of Nebraska, Lincoln, Neb.
On the Action of Normal Barium Hydroxide on d. Glucose and d. Galactose.

1911 Thomas Bruce Freas, Professor of Chemistry, Columbia University, New York, N.Y.
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John Foote Norton, Associate Professor of Bacteriology, University of Chicago, Chicago, Ill.
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Harlan Leo Trumbull, Research Chemist, Goodrich Co., Akron, Ohio.
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Leroy Samuel Weatherby, Professor of Chemistry, University of Southern California, Los Angeles, Cal.
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Franklin Lorenzo West, Director, School of General Science, Professor of Physics, Utah Agricultural College, and Physicist, Utah Experiment Station, Logan, Utah.
The Physical and Chemical Properties of Organic Amalgams.

1912 Paul David Potter, Chief Chemist, Sprague, Warner & Co., Chicago, Ill.
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Charles Herman Viol, Director, Radium Research Laboratory, Standard Chemical Co., Pittsburgh, Pa.
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1913 George Oliver Curme, Jr., Chief Chemist, Carbide and Carbon Chemicals Corporation, Glendinin, W.Va.
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John William Edward Glattfeld, Assistant Professor of Chemistry, University of Chicago, Chicago, Ill.
The Oxidation of *d*-Glucose in Alkaline Solution by Air as Well as by Hydrogen Peroxide.

Paul Nicholas Leech, Research Chemist, American Medical Association, Chicago, Ill.
The Molecular Rearrangement of Triaryl Methyl Hydroxylamines; a New Interpretation for the Rearrangement of Ketoximes.

Ethel Mary Terry (Mrs. H. N. McCoy), Assistant Professor of Chemistry, University of Chicago, Chicago, Ill.
The Velocity Coefficient of Saponification of Ethyl Acetate.

1914 Harold Stanard Adams, Director of Research, Naugatuck Chemical Co., Naugatuck, Conn.
Studies in Overvoltage.

Arthur Wesley Martin, Superintendent, South Anhwei District, Methodist Church, Tunke, Anhwei, China.
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Agnes Fay Morgan, Associate Professor of Household Science, University of California, Berkeley, Cal.
I. Viscosities of Various Methyl and Ethyl Imidobenzoates and of the Sodium Salts of Para and Meta Nitrobenzoyl-chloroamides in Moderately Concentrated Aqueous Solutions. II. The Molecular Rearrangement of Some Triaryl Methylchloroamines.

1914 Harry Morrill Paine, Research Chemist, Box 393, Hartsdale, N.Y.
The Effects of Salts on the Solubility of Other Salts: 1. The Solubility Relations of a Very Soluble Bi-univalent Salt. 2. The Ionization of Bi-bivalent Salts.

Harley Martin Plum, Chemist, Standard Chemical Co., Pittsburgh, Pa.
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Bert Allen Stagner, Research Chemist, Union Oil Co., San Francisco, Cal.
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Clare Chrisman Todd, Professor of Chemistry, Washington Agricultural College, Pullman, Wash.
The Action of Alkaline Hydrogen Peroxide on d. Galactose.

1915 Clifford Daniel Carpenter, Associate Professor of Chemistry, Columbia University, New York, N.Y.
The Addition Compounds of Organic Substances with Sulphuric Acid.

Oscar Fred Hedenburg, Research Chemist, Mellon Institute of Industrial Research, Pittsburgh, Pa.
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Edmund Charles Humphery, Chemist, E. I. du Pont de Nemours Co., Wilmington, Del.
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Townes Randolph Leigh, Professor and Head of the Department of Chemistry, University of Florida, Gainesville, Fla.
On Chlorimido Esters and Chlorimido Benzil.

Edwin Daniel Leman, Chief Chemist, United States Radium Corporation, Orange, N.J.
The Relation between the Alpha-Ray Activities and Ranges of Radioactive Substances.

Helen Tredway (Mrs. Evarts A. Graham), 4711 Westminster Place, St. Louis, Mo.
The Thermal Decomposition of Diaryl Hydrazines.

Ernest Dana Wilson, Director, Commercial Research Dept., George Batten Advertising Co., New York City.
The Structure of Complex Atoms.

1916 Groves Howard Cartledge, Associate Professor of Chemistry, Johns Hopkins University, Baltimore, Md.
A Study of the Emanation Method of Determining Thorium.

Clyde Coleman, Research Chemist, Ault & Wiborg Co., Cincinnati, Ohio.
Further Studies on the Behavior of the Alkali Metal Formates in (Anhydrous) Formic Acid.

Ralph Edwin Hall, Research Chemist, Bureau of Mines, Pittsburgh, Pa.
The Periodic System and the Properties of the Elements. The Free Energy of Dilution. The Freezing-Point Lowerings of Some Salts of Various Types of Ionization and of Salt Mixtures.

Lawrence Melvin Henderson, Assistant Professor of Physical Chemistry, The University of Minnesota, Minneapolis, Minn.
The Ratio of Mesothorium to Thorium in Minerals.

William Tudor Pearce, Professor of General Chemistry, North Dakota Agricultural College, Agricultural College, N.D.
Ionization and Solubility Relations of Salts of Higher Types, Intermediate Ions in Solutions of Unibivalent Salts and of Lanthanum Iodate, a Triunivalent Salt. II. Solubilities of Very Soluble Higher Type Salts.

1916 Willard Allen Roberts, Research Chemist, General Electric Company, Harrison, N.J.
Studies on the Cobalt-Ammines.

Stanley Davis Wilson, Assistant Professor of Chemistry, Union Medical College, Peking, China.
The Effect of Added Salts upon the Velocity of Saponification of Ethyl Acetate by Sodium Hydroxide.

1917 Lester Aronberg, Research Chemist, Diana Chemical Co., Chicago, Ill.
The Spectrum of the Isotopes of the Lead. The Structure of the Bismuth Line $x = 4722$A.

Ralph Lyman Brown, Research Chemist, U.S. Bureau of Mines, Pittsburgh, Pa.
The Molecular Rearrangement of Sym. Di-triphenylmethylhydrazine.

Sidney Marsh Cadwell, Research Chemist, United States Rubber Co., New York, N.Y.
The Beckmann Rearrangement: Determinations of Minute Quantities of Gold.

Earl Claudius Hamilton Davies, Associate Professor of Chemistry, University of West Virginia, Morgantown, W.Va.
The Orientation of Molecules in the Surface of Liquids, the Energy Relations at Surfaces, Solubility, Adsorption, Emulsification, Molecular Association, and the Effects of Acids and Bases on Interfacial Tension.

Adeline Mae De Sale (Mrs. George K. Link), Instructor in Chemistry, University of Chicago, Chicago, Ill.
The Velocity of Rearrangement of Benzoylazid.

Milton Theodore Hanke, Research Instructor, Sprague Memorial Institute, University of Chicago, Chicago, Ill.
The Oxidation of Maltose in Alkaline Solutions by Hydrogen Peroxide and by Air. The Preparation and Study of Maltobionic Acid.

Frank Hynes Reed, Chemist, Tower Manufacturing Co., Newark, N.J.
Studies in Conductivity. (A) Some Common Errors in the Determination of the Conductivity of Solutions. (B) The Behavior of Mixtures of Two Salts Containing a Common Ion, in Anhydrous Formic Acid Solutions.

James Kuhn Senior, Research Chemist, Fries and Fries, Cincinnati, Ohio.
Molecular Rearrangements in the Triarylmethylazide and Triarylmethylhydrazine Series.

Herbert Johnson Smith, Professor of Chemistry, Mississippi Agricultural and Mechanical College, Agricultural College, Miss.
Solubility Products of Carbonates.

Ralph Kempton Strong, Professor and Head of the Department of Chemistry, Reed College, Portland, Ore.
Mesothorium-One and Radium; Their Isotopism and Enrichment.

William De Garmo Turner, Professor and Head of the Department of Chemistry, School of Mines, University of Missouri, Rolla, Mo.
The Diffusion of Gases and the Density of Chlorine. A Search for Possible Isotypes of Chlorine.

1918 Denton Jacobs Brown, Associate Professor of Chemistry, University of Nebraska, Lincoln, Neb.
The Velocity of Decomposition of Benzoyl Peroxide.

1918 Frank Emerson Brown, Associate Professor of Chemistry, Iowa State College, Ames, Iowa.
1. The Structure of the Surfaces of Liquids and Solubility as Related to the Work Done by the Attraction of Two Liquid Surfaces on Each Other. 2. A Standardization of the Method for the Determination of Surface Tension or Free Surface Energy by the Drop-Weight Method. 3. A Simple Apparatus for the Determination of Surface Tension.

Elmer Newman Bunting, Research Associate in Ceramics, University of Illinois, Champaign, Ill.
Transport Numbers of Potassium, Sodium, and Calcium Formates in Anhydrous Formic Acid.

George Lindenberg Clark, National Research Fellow, Harvard University, Cambridge, Mass.
1. The Structure of the Surfaces of Liquids. 2. Secondary Valence and Werner's Coördination Number.

Wilby T. Gooch, Professor and Head of the Department of Chemistry, Baylor University, Waco, Tex.
1. Effect of Light on the Velocity of Saponification of Ethyl Acetate.
2. The Velocity Coefficient of the Saponification of Methyl Acetate.

Homer Henry Helmick, Research Laboratory, Radium Company of Colorado, Denver, Colo.
A New Method for the Determination of Thorium in Monazite Sand.

Herbert Hiram King, Professor and Head of the Department of Chemistry, Kansas State Agricultural College, Manhattan, Kan.
1. The Structure of Liquids: Adsorption at Liquid—Liquid Interfaces and the Partition of a Solute between Two Liquids. 2. The Structure of Liquids: Adsorption, Solubility and the Double Electric Layer.

Raymond David Mullinix, Professor of Chemistry, Rockford College, Rockford, Ill.
Potassium Permanganate. Studies in Conductivity IV.

Ralph Emory Nelson, Assistant Professor of Chemistry, Purdue University, Lafayette, Ind.
The Coefficient of the Velocity of the Reaction between Sodium Hydroxide and Ethyl Acetate.

Stephen Popoff, Instructor in Chemistry, Iowa State University, Iowa City, Iowa.
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Edward Noel Roberts, Research Chemist, U.S. Industrial Alcohol Co., Curtis Bay, Baltimore, Md.
Velocity of Saponification of Ethyl Formate.

Harry Clyde Trimble, Associate Professor of Chemistry, University of North Dakota, University, N.D.
The Effect of Electric Currents in Attempts to Induce Molecular Rearrangements.

1919 Ray Quincy Brewster, Assistant Professor of Chemistry, University of Kansas, Lawrence, Kan.
I. Symmetrical Tetrapropylethane. II. Reduction of Nitrotriphenylamine.

Elvah Harley Grafton, Research Chemist, Quaker City Rubber Co., Philadelphia, Pa.
The Adsorption of Benzene Derivatives on the Surface of Water. The Work Done by the Attraction between a Mercury Surface and the Surface of an Organic Liquid.

1919 Morris Selig Kharasch, National Research Fellow in Chemistry, University of Chicago, Chicago, Ill.
Colors of the Second Order. Mercuri-Organic Derivatives.

George Elmer Miller, Research Chemist, The Upjohn Co., Kalamazoo, Mich.
Preparation of Pure Cyanogen Chloride; Preparation and Study of d- and l-Beta-Gamma-Dioxybutyric Acid.

Charles H. Milligan, Research Chemist, Proctor & Gamble Co., Cincinnati, Ohio.
The Preparation of dl-P-Methyl-Isopropyl Methyl-Phenyl Hydrazine. The Isolation of Pure d-P-Methyl-Isopropyl Methyl-Phenyl Aniline.

Lathrop Emerson Roberts, Physical Chemist, U.S. Bureau of Mines, Berkeley, Cal.
A Study of Phase Boundaries.

Henry John Rossbacher, Chief of Research Laboratory, Western Electric Company, Chicago, Ill.
M-Tolyl-Ethyl-Barbituric Acid.

Karl Theodor Steik, Associate Professor of Chemistry, University of Florida, Gainesville, Fla.
The Effect of Alkali upon Portland Cement.

1920 Steward Basterfield, Professor of Chemistry, University of Saskatchewan, Saskatoon, Sask., Canada.
Derivatives of Isourea and Their Pharmacological Action.

Ying Chang Cheng, Assistant Professor of Chemistry, National University, Peking, China.
Cohesion, Adhesion, Tensile Strength, Tensile Energy, Negative Surface Energy, Interfacial Tension, and Molecular Attraction.

Amando Clemente, Assistant Professor of Chemistry, University of the Philippines, Manila, P.I.
The Relation between Pore Size and Adsorption in Charcoal.

Frank Louis DeBeukelaer, Research Chemist, Swift and Co., Chicago, Ill.
Derivatives of Phenylethylacetic Acid and of Phenyldiethylacetic Acid.

Dwight Tarbell Ewing, Assistant Professor of Chemistry, Michigan State Agricultural College, East Lansing, Mich.
I. The Densities and Adsorption and Desorption Properties of Gas Mask Charcoals. II. The Effects of Acids and Bases on the Surface Energy of $\beta$-$\beta$-Dichlorethyl Sulphide ("Mustard Gas").

Warren Walter Ewing, Assistant Professor of Physical Chemistry, Lehigh University, Bethlehem, Pa.
The Attraction of Mercury for Other Liquids.

Louis Melvin Larsen, Research Chemist, Ault and Wiborg Co., Cincinnati, Ohio.
I. Nitrotriphenylamines. II. The Oxidation of Diaminophenolos.

Mary Meda Rising, Instructor in Chemistry, University of Chicago, Chicago, Ill.
I. The Preparation of Phenylethylbarbituric Acid. II. The Preparation of Para-Ureido-Phenylacetylurea, and Related Compounds. III. An Attempt to Filter the Enzymes of Milk.

John Edward Schott, Assistant Professor of Chemistry, Pennsylvania State College, State College, Pa.
I. Oxidation of Benzamide. II. Derivatives of Phenylethylbarbituric Acid.

Herman Vance Tartar, Assistant Professor of Chemistry, University of Washington, Seattle, Wash.
The Constitution of Murexide and the Theory of Dyes.

1921 Henry Leon Cox, Chemist, Beechnut Packing Co., Brooklyn, N.Y.
Some Derivatives of Linolic Acid.

Lillian V. Eichelberger, Research Instructor in Chemistry, University of Chicago, Chicago, Ill.
The Transmutation of Maleic to Fumaric Acid.

Aaron Feldman, 654 Beck St., New York, N.Y.
The Spreading Coefficient: A Study of the Spreading Properties of Some Organic Liquids.

Leo Finkelstein, Research Chemist, U.S. Bureau of Mines, Washington, D.C.
I. Determination of Radium in Meteorites by the Emanation. Method. II. Measurement of Ranges of Alpha Particles by a Modified Bragg Apparatus.

Aubrey Chester Grubb, Assistant Professor of Physical Chemistry, University of Saskatchewan, Saskatoon, Sask., Canada.
Chemical Reactions in the Corona.

Martin Charles Edward Hanke, National Research Fellow in Chemistry, University of Chicago, Chicago, Ill.
An Attempt to Prepare a Mercury Derivative of Dioxydiaminoarsenobenzene (Arsphenamine).

Anson Hayes, Associate Professor of Chemistry, Iowa State College, Ames, Iowa.
Separation of the Element Chlorine into Isotopes.

Vestus Twiggs Jackson, Chemist, 926 Crescent Place, Chicago, Ill.
The Reaction between Potassium Hydroxide, Manganese Dioxide and Oxygen.

Isadore Meyer Jacobsohn, Independent Research in Chemistry, University of Chicago, Chicago, Ill.
Mercuri-organic Derivatives.

Alfred Edward Jurist, Research Chemist, Enterprise Soap Works, Philadelphia, Pa.
A Rearrangement of the Benzilic Acid Type in the Aliphatic Series.

Robert Stern Landauer, Research Department, Standard X-Ray Co., Chicago, Ill.
Triatomic Hydrogen.

Katharine Lucille McCluskey, St. Xavier Academy, Chicago, Ill., and Independent Research in Chemistry, University of Chicago, Chicago, Ill.
Some New Derivatives of Quinaldine.

Clarence John Monroe, Assistant Professor of Chemistry, School of Mines, Rolla, Mo.
On the Relation of the Compressibility of a Liquid and Its Adsorption and Absorption by Charcoal.

Robert Sanderson Mulliken, National Research Fellow in Chemistry, University of Chicago, Chicago, Ill.
I. The Separation of Isotopes. Theory of the Resolution of Isotopic Mixtures by Diffusion and Similar Processes; Experimental Separation of Mercury by Evaporation in a Vacuum. II. The Effect of Acids and Bases on Interfacial Tension.

Joseph Jaroslav Pelc, Independent Research, University of Chicago, Chicago, Ill.
Molecular Rearrangements in Some Derivatives of Unsaturated Higher Fatty Acids.

1921 George Ross Robertson, Instructor in Chemistry, University of California (Southern Branch), Los Angeles, Cal.
Organic Derivatives of Arsenic.

Frank V. Sander, Instructor in Physiological Chemistry, University of Chicago, Chicago, Ill.
Preparation and Resolution of dl–1.3, Dihydroxybutyric Acid.

James Hollingsworth Clemmer Smith, Assistant Professor of Chemistry, Colorado College, Colorado Springs, Colo.
I. Estimation of Sodium Hyposulphite. II. Arsenic Derivatives of Phenylaminoacetic Acid.

Edgar Wertheim, Associate Professor of Chemistry, University of Arkansas, Fayetteville, Ark.
Preparation of dl-p-Secondary Butyl Phenylhydrazine. Resolution of dl-p-Secondary Butyl Aniline.

## EARTH SCIENCE GROUP

### GEOLOGY AND PALEONTOLOGY

1895 Charles Henry Gordon, Professor of Geology, University of Tennessee, Knoxville, Tenn.
Syenite-Gneiss from the Apatch Region, Ottawa County, Canada.

Henry Barnard Kümmel, State Geologist of New Jersey, Trenton, N.J.
Lake Passaic: An Extinct Glacial Lake.

1896 Ermine Cowles Case, Professor of Historical Geology, University of Michigan, Ann, Arbor, Mich.
On the Osteology and Relationships of Protostega.

1897 Harry Foster Bain, Chief, Bureau of Mines, Washington, D.C.
Relations of the Wisconsin and Kansas Drift Sheets in Central Iowa, and Related Phenomena.

1900 Thomas Cramer Hopkins, Professor and Head of the Department of Geology, Syracuse University, Syracuse, N.Y.
The Genesis of Certain Limonite Ores of Pennsylvania.

William Newton Logan, Professor of Economic Geology, Indiana University, Bloomington, Ind., and State Geologist.
A North American Epicontinental Sea of Jurassic Age.

1901 Nevin Melancthon Fenneman, Head of the Department of Geology, University of Cincinnati, Cincinnati, Ohio.
The Development of the Profile of Equilibrium of the Subaqueous Shore Terrace.

1902 Fred Harvey Hall Calhoun, Professor and Head of the Department of Geology, Clemson Agricultural College, Clemson College, S.C.
The Relations of the Kewatin Ice Sheet to the Mountain Glaciers of Montana.

†William George Tight.
Origin and Development of the Ohio River.

Frank Alonzo Wilder, President, Southern Gypsum Co., North Holston, Va.
The Age and Origin of the Gypsum of Webster County, Iowa.

1903 William Clinton Alden, Geologist, United States Geological Survey, Washington, D.C.
The Evolution of the Darien Lobe of the Lake Michigan Glacier.

Wallace Walter Atwood, President and Professor of Geography, Clark University, Worcester, Mass.
The Glaciation of the Wasatch Mountains.

1904 William Harvey Emmons, Head of the Department of Geology, University of Minnesota, Minneapolis, Minn., and State Geologist of Minnesota.
The Geology of Haystack Mountain, Montana.

1905 Edwin Bayer Branson, Head of the Department of Geology, University of Missouri, Columbia, Mo.
The Structure and Relationships of the American Labyrinthodontidae.

Alfred Reginald Schultz, Manager, Burkhardt Co., Hudson, Wis.
The Underground Water Supply of Wisconsin, Northern Illinois, and the Northern Peninsula of Michigan.

† Deceased.

1907 Stephen Reid Capps, Geologist, United States Geological Survey, Washington, D.C.
The Pleistocene Geology of the Leadville Quadrangle, Colorado.

Rollin Thomas Chamberlin, Associate Professor of Geology, University of Chicago, Chicago, Ill.
The Gases Occluded in Rocks.

1908 Roy Lee Moodie, Assistant Professor of Anatomy, University of Illinois, Urbana, Ill.
Contribution to a Monograph of the North American Extinct Amphibia.

1909 Edson Sunderland Bastin, Professor of Economic Geology, University of Chicago, Chicago, Ill.
Chemical Composition as a Criterion in Identifying Metamorphosed Sediments.

Elwood S. Moore, Head of the Department of Geology and Dean of School of Mines, Pennsylvania State College, State College, Pa.
Geology of the Onaman Iron Range District.

Clinton Raymond Stauffer, Professor of Geology, University of Minnesota, Minneapolis, Minn.
The Relationship of the Middle Devonian Faunas of Ohio.

1910 Allen David Hole, Professor and Head of the Department of Geology, Earlham College, Richmond, Ind.
The Pleistocene Geology of the Telluride (Colo.) Quadrangle.

John Littlefield Tilton, Associate Professor of Geology, State University of West Virginia, Morgantown, W.Va.
The Pleistocene Deposits of Warren County, Iowa.

Joseph Bertram Umpleby, Head of the Department of Geology, University of Oklahoma, Norman, Okla.
Geology and Ore Deposits of the Republic District, Washington.

1911 Arthur Carleton Trowbridge, Professor of Geology, State University of Iowa, Iowa City, Iowa.
The Geology of the Owena Valley California Region with Special Reference to the Terrestrial Deposits.

1912 Harold Caswell Cooke, Professor of Geology, McGill University, Montreal, Can.
The Secondary Enrichment of Silver Ores.

1913 J Harlen Bretz, Associate Professor of Geology, University of Chicago, Chicago, Ill.
The Glaciation of the Puget Sound Basin.

Albert Dudley Brokaw, Petroleum Geologist, New York.
The Solution and Precipitation of Gold in Secondary Enrichment of Ore Deposits.

Herrick East Wilson, Paleontologist, 224 West College St., Oberlin, Ohio.
Evolutional Changes in the Monocyclic Crinoid Bases.

1914 Eliot Blackwelder, Professor of Geology, Stanford University, Cal.
Post-Cretaceous History of the Mountains of Central Western Wyoming.

George Frederick Kay, Head of the Department of Geology, and Dean of the College of Liberal Arts, State University of Iowa, Iowa City, Iowa, and State Geologist.
The Geology and Ore Deposits of Riddle's Quadrangle, Oregon.

Maurice Goldsmith Mehl, Assistant Professor of Geology, University of Missouri, Columbia, Mo.
The Phytosauria of the Rocky Mountain Region.

1915 Edward Moore Jackson Burwash, Assistant Professor of Geology, University of Manitoba, Winnipeg, Can.
The Geology of Vancouver and Its Surroundings.

Joel Ernest Carman, Professor of Geology, Ohio State University, Columbus, Ohio.
The Pleistocene Geology of Northwestern Iowa.

James Henry Lees, Assistant State Geologist of Iowa, Des Moines, Iowa.
The Geological History of the Des Moines Valley.

Kirtley Fletcher Mather, Professor of Geology, Denison University, Granville, Ohio, and Geologist, U.S. Geological Survey.
The Fauna of the Morrow Group of Arkansas and Oklahoma.

Terence Thomas Quirke, Associate Professor of Geology, University of Illinois, Urbana, Ill.
Geology of Espanola District.

Luther Crocker Snider, Chief Geologist, Empire Gas and Fuel Co., Bartlesville, Okla.
The Geology and Paleontology of the Mississippian Rocks of North-Eastern Oklahoma.

Eugene Austin Stephenson, Chief Geologist, South Penn Oil Co., Pittsburgh, Pa.
Hydrothermal Alteration of Feldspars.

1916 †Herman Douthitt.
Structure and Relationships of Diplocaulus, an American Permian Amphibian.

Laura Hatch, Assistant Professor of Geology, Smith College, Northampton, Mass.
Geology of the Area about Westerly, Rhode Island.

Morris Morgan Leighton, Assistant Professor of Geology, University of Illinois, Urbana, Ill., and Geologist, State Geological Survey of Illinois.
The Southwest Border of the Iowan Drift in Iowa.

Raymond Cecil Moore, Head of the Department of Geology, University of Kansas, Lawrence, Kan., and State Geologist.
The Stratigraphy of the Mississippian System of Missouri.

William Arthur Tarr, Professor of Geology, University of Missouri, Columbia, Mo.
The Barite Deposits of Missouri.

Charles Weldon Tomlinson, Petroleum Geologist, Ardmore, Okla.
Correlation of the Middle Paleozoic Sedimentary Formations of the Rocky Mountains.

1917 Gilbert Haven Cady, Head of the Department of Geology, University of Arkansas, Fayetteville, Ark.
The LaSalle Anticline.

Charles Elijah Decker, Associate Professor of Geology, University of Oklahoma, Norman, Okla.
Studies in Minor Folds.

John Knox Knox, Petroleum Geologist, Lahore, India.
The Geology of he Asbestos Range near Coleraine, Quebec.

1918 James Harold Hance, Associate Director, State Geological Survey, Urbana, Ill.
Geology and Mineral Resources of the Wellsville, Ohio, Quadrangle.

1919 Ralph Works Chaney, Research Associate, Carnegie Institution, University of California, Berkeley, Cal.
The Flora of the Eagle Creek Formation.

† Deceased.

1919 Horace Noble Coryell, Instructor in Geology, Columbia University, New York City.
Bryozoon Fauna of the Stones River Formation of Central Tennessee.

1920 Paul MacClintock, Instructor in Geology, University of Chicago, Chicago, Ill.
The Pleistocene History of the Lower Wisconsin Valley.

Bertram Reid MacKay, Petroleum Geologist, India.
Geology and Physiography of the Beauceville Map Area, Quebec, with Special Reference to Placer Gold Deposits.

George Charlton Matson, Vice-President and General Manager, Schermerhorn Oil Co., Tulsa, Okla.
The Phosphate Deposits of Florida.

1921 Arthur Charles Bevan, Instructor in Geology, University of Illinois, Urbana, Ill.
Summary of the Geology of the Beartooth Mountains, Montana.

Vivian Ouray Tansey, Geologist, Tulsa, Okla.
A Paleontological Study of the Helderberg and Oriskany Formation of Ste. Genevieve County, Missouri.

Roy Arthur Wilson, Associate Professor of Geology, and State Geologist, University of South Dakota, Vermillion, S.D.
Geology of a Part of the Mission Range, Montana.

## GEOGRAPHY

1907 †Frederick Valentine Emerson.
A Geographic Interpretation of New York City.

1914 Wellington Downing Jones, Associate Professor of Geography, University of Chicago, Chicago, Ill.
Geography of Northern Patagonia.

Almon Ernest Parkins, Professor of Geography, George Peabody College for Teachers, Nashville, Tenn.
The Historical Geography of Detroit.

Stephen Sargent Visher, Associate Professor of Geography, Indiana University, Bloomington, Ind.
The Geography of South Dakota.

1915 Carl Ortwin Sauer, Professor of Geography, University of Michigan, Ann Arbor, Mich.
The Geography of the Ozark Highland of Missouri.

1917 Charles Carlyle Colby, Associate Professor of Geography, University of Chicago, Chicago, Ill.
Geography of Southeastern Minnesota.

1920 Robert Swanton Platt, Assistant Professor of Geography, University of Chicago, Chicago, Ill.
Resources and Economic Interests of the Bermudas.

1921 Helen Mabel Strong, Assistant Professor of Geography, University of Missouri, Columbia, Mo.
The Geography of Cleveland.

†Deceased.

## BIOLOGICAL GROUP

### ZOÖLOGY

1894 Herbert Parlin Johnson, Cedaredge, Colo.
A Contribution to the Morphology and Biology of the Stentors.

Frank Rattray Lillie, Professor of Embryology and Chairman of the Department of Zoölogy, University of Chicago, Chicago, Ill.; Director, Marine Biological Laboratory.
The Embryology of the Unionidae.

1895 Albert Chauncey Eycleshymer, Professor of Anatomy and Dean of College of Medicine, University of Illinois, Urbana, Ill.
Early Development of Amblystoma with Observations on Some Other Vertebrates.

William Albert Locy, Professor of Zoölogy, Northwestern University, Evanston, Ill.
Contribution to the Structure and Development of the Vertebrate Head.

1896 Howard Stedham Brode, Professor of Biology, Whitman College, Walla Walla, Wash.
A Contribution to the Morphology of Dero vaga.

Cornelia Maria Clapp, Professor Emeritus of Zoölogy, Mount Holyoke College, South Hadley, Mass.
The Lateral Line System of Batrachus Tau.

Agnes Mary Claypole (Mrs. Robert O. Moody), 2826 Garber St., Berkeley, Cal.
The Embryology and Oögenesis of Anurida maritima (Guér).

Albert Davis Mead, Professor of Comparative Anatomy, Brown University, Providence, R.I.
The Early Development of Marine Annelida.

1897 Charles Lawrence Bristol, Professor of Zoölogy, New York University, New York, N.Y.
The Metamerism of Nephelis.

Samuel J. Holmes, Professor of Zoölogy, University of California, Berkeley, Cal.
The Early Development of Planorbis trivolvis.

John P. Munson, Head of Biology, Normal School, Ellensburg, Wash.
The Ovarian Egg of Limulus: A Contribution to the Problem of the Centrosome and Yolk-Nucleus.

1899 Emily Ray Gregory, 501 South Forty-Second street, Philadelphia, Pa.
Observations on the Development of the Excretory System in Turtles.

Aaron Louis Treadwell, Professor of Zoölogy, Vassar College, Poughkeepsie, N.Y.
The Cytogeny of Podarke.

1900 Michael Frederic Guyer, Professor of Zoölogy, University of Wisconsin, Madison, Wis.
The Spermatogenesis of Normal and Hybrid Pigeons.

1901 Elliott Rowland Downing, Associate Professor of Natural Science in the College of Education, University of Chicago, Chicago, Ill.
The Spermatogenesis in Hydra.

1901 Wilhelmina Entemann (Mrs. Francis B. Key), Race Betterment Foundation, Battle Creek, Mich.
Coloration of Polistes (the Common Paper Wasp).

Ralph Stayner Lillie, Biologist, Nela Research Laboratory, Cleveland, Ohio.
Excretory Organs of Arenicola cristata.

Virgil Everett McCaskill, President, State Normal School, Superior, Wis.
The Metamerism of Hirudo Medicinalis.

John McClelland Prather, Teacher of Zoölogy, Central High School, St. Louis, Mo.
The Skeleton of Salaux Microdon.

1902 Eugene Howard Harper, Bedford, Va.
History of the Fertilization and Early Development of the Pigeon's Egg.

1903 Bennet Mills Allen, Professor of Zoölogy, University of Kansas, Lawrence, Kan.
The Development of the Ovary and the Testis in the Mammals.

William J. Moenkhaus, Professor of Physiology, Indiana University, Bloomington, Ind.
The Development of the Hybrids between Fundulus heteroclitus and Menidia notata with Especial Reference to the Behavior of the Maternal and Paternal Chromatin.

1904 Charles Dwight Marsh, United States Department of Agriculture, Washington, D.C.
The Plankton of Lake Winnebago and Green Lake.

John William Scott, Professor of Zoölogy, University of Wyoming, Laramie, Wyo.
Studies in the Experimental Embryology of some Marine Annelids.

Charles Zeleny, Professor of Zoölogy, University of Illinois, Urbana, Ill.
Studies in Regulation and Regeneration.

1905 Lynds Jones, Professor of Zoölogy, University of Illinois, Urbana, Ill.
The Development of the First Down and Its Relation to the Definitive Feather.

Horatio Hackett Newman, Professor of Zoölogy, University of Chicago, Chicago, Ill.
The Morphogeny of the Chelonian Carapace.

1906 James Francis Abbott, Commercial Attaché, United States Embassy, Tokyo, Japan.
The Morphology of Coeloplana.

1907 Frank Eugene Lutz, Curator, American Museum of Natural History, New York, N.Y.
The Variations and Correlations of the Taxonomic Characters of Gryllus.

Oscar Riddle, Research Staff, Carnegie Station for Experimental Evolution, Cold Spring Harbor, N.Y.
The Genesis of Fault-Bars in Feathers and the Cause of Alternation of Light and Dark Fundamental Bars.

Victor Ernest Shelford, Associate Professor of Zoölogy, University of Illinois, Urbana, Ill., and Biologist for Illinois Natural History Survey.
The Life-Histories and Larval Habits of the Tiger Beetles.

Charles Henry Turner, Sumner High School, St. Louis, Mo.
The Homing of Ants: An Experimental Study of Ant Behavior.

1908 Charles Christopher Adams, Professor of Forest Zoölogy and Director of the Roosevelt Wild Life Forest Experiment Station, New York State College of Forestry, Syracuse, N.Y.
The Geographic Variations and Relations of Io.

1908 Mary Blount, Teacher, Chicago Normal College, Chicago, Ill.
The Early Development of the Pigeon's Egg from Fertilization to the Organization of the Periblast.

Wallace Craig, Professor of Philosophy, University of Maine, Orono, Me.
Expression of the Emotions in the Pigeons.

John Thomas Patterson, Professor of Zoölogy, University of Texas, Austin, Tex.
Gastrulation in the Pigeon's Egg.

Katashi Takahashi, Professor of Zoölogy, Gakushinin College, Tokyo, Japan.
Histogenesis of the Lateral Line System in Necturus.

George Washington Tannreuther, Assistant Professor of Zoölogy, University of Missouri, Columbia, Mo.
History of the Germ Cells and Early Embryology of Certain Aphids.

1909 Marian Lydia Shorey.
The Effect of the Destruction of Peripheral Areas on the Differentiation of the Neuroblasts.

Harry Lewis Wieman, Professor of Zoölogy, University of Cincinnati, Cincinnati, Ohio.
A Study in the Germ Cells of Leptinotarsa signaticollis.

1910 George William Bartelmez, Associate Professor of Anatomy, University of Chicago, Chicago, Ill.
The Bilaterality of the Pigeon's Egg; A Study in Egg Organization.

1911 Robert Kirkland Nabours, Professor and Head of the Department of Zoölogy, Kansas State Agricultural College, Manhattan, Kan.
Mendelian Inheritance in Orthoptera.

1912 Warder Clyde Allee, Assistant Professor of Zoölogy, University of Chicago, Chicago, Ill.
The Effect of Dissolved Gases on the Behavior of Isopods.

Harriett May Allyn, Dean of the College for Women, Hackett Medical College, Canton, China.
A Contribution to the Analysis of Fertilization in Chaetopterus.

1913 Joseph Kumler Breitenbecker, Associate Professor of Zoölogy, University of Oklahoma, Norman, Okla.
The Effect of Varying Water Content in the Medium upon the Activities of Leptinotarsa decemlineata (Say) on Introduction into a Desert Habitat.

Neil Stanley Dungay, Professor of Biology, Carleton College, Northfield, Minn.
A Study of the Effects of Injury upon the Fertilizing Power of Sperm.

1914 Lewis Victor Heilbrunn, Assistant Professor of Zoölogy, University of Michigan, Ann Arbor, Mich.
Studies in Artificial Parthenogenesis II. Physical Changes in the Arbacia Egg.

Francis LeRoy Landacre, Professor of Anatomy, Ohio State University, Columbus, Ohio.
The Origin of the Cranial Ganglia in Ameiurus.

1915 Libbie Henrietta Hyman, Research Assistant in Zoölogy, University of Chicago, Chicago, Ill.
An Analysis of the Process of Regeneration in Certain Microdrilous Oligochaetes.

Bertha Edith Martin, Instructor in Zoölogy, Mount Holyoke College, South Hadley, Mass.
Tooth Development in Dasypus novemcinctus.

1916 Ernest Everett Just, Professor of Zoölogy, Howard University, Washington, D.C.
Studies of Fertilization in Platynereis Megalops.

Carl Richard Moore, Assistant Professor of Zoölogy, University of Chicago, Chicago, Ill.
The Superposition of Fertilization on Parthenogenesis.

1917 Edwin J. Cohn, Fellow of the National Research Council.
Studies on the Physiology of Spermatozoa.

1918 Elinor Helene Behre, Assistant Professor of Zoölogy, Louisiana State University, Baton Rouge, La.
An Experimental Study of Acclimation to Temperature in Planaria Dorotocephala.

Wilfred H. Osgood, Curator of the Department of Zoölogy, Field Museum of Natural History, Chicago, Ill.
A Monographic Study of the American Marsupial, Caenolestes.

1919 Albert William Bellamy, Instructor in Zoölogy, University of Chicago, Chicago, Ill.
Differential Susceptibility as a Basis for Modification and Control of Early Development in the Frog.

Wyman Reed Green, Professor and Head of the Department of Biology, University of Chattanooga, Chattanooga, Tenn.
Studies in the Life Cycle of Simocephalus vetulus.

1920 Benjamin Harrison Willier, Instructor in Zoölogy, University of Chicago, Chicago, Ill.
Structures and Homologies of Free-Martin Gonads.

1921 James William Buchanan, Instructor in Zoölogy, Yale University, New Haven, Conn.
The Control of Head Formation in Planaria by Means of Anesthetics.

John Wood MacArthur, Lecturer in Genetics and Experimental Biology, University of Toronto, Toronto, Ontario, Canada.
A Comparative Study of Susceptibility in Planaria and Other Forms by Means of Electrolytes and Vital Dyes.

## ANATOMY

1899 Irving Hardesty, Professor of Anatomy, Tulane University, New Orleans, La.
The Number and Arrangement of the Fibers Forming the Spinal Nerves of the Frog.

1902 Shinkishi Hatai, Professor of Anatomy, Tohoku Imperial University, Sendai, Japan.
Studies on the Nervous System of the White Rat and Foetal Cat.

1903 †Charles Emerson Ingbert.
An Enumeration of the Medullated Nerve Fibers in the Dorsal Roots of the Spinal Nerves of Man.

1905 Stephen Walter Ranson, Professor of Anatomy, Northwestern University Medical School, Chicago, Ill.
Retrograde Degeneration in Spinal Nerves.

1907 Emil Goetsch, Professor of Surgery and Surgeon-in-Chief, Long Island Hospital Medical College, Brooklyn, N.Y.
The Structure of the Mammalian Oesophagus.

Edwin Garvey Kirk, Physician, 902 E. 55th St., Chicago, Ill.
The Histogenesis of the Gastric Glands.

John Sundwall, Associate Director of Hygiene, Public Health, and Physical Education, University of Michigan, Ann Arbor, Mich.
The Structure of the Lachrymal Gland.

† Deceased.

1909 †Ralph Edward Sheldon.
The Olfactory Tracts and Centers in Teleosts.

1910 †Charles Brookover.
The Olfactory Nerve, the Nervus Terminalis and the Preoptic Sympathetic System in Amia calva, L.

1911 Paul Stillwell McKibben, Professor of Anatomy, Western University, London, Ont.
The Nervus Terminalis in Urodele Amphibia.

1912 Edmund Vincent Cowdry, Rockefeller Institute, New York, N.Y.
Mitochondria and Other Cytoplasmic Constituents of the Spinal Ganglion Cells of the Pigeon.

1913 Charles Henry Swift, Assistant Professor of Anatomy, University of Chicago, Chicago, Ill.
Origin and Early History of the Primordial Germ-cells in the Chick.

1915 Elizabeth Caroline Crosby, Instructor in Anatomy, University of Michigan, Ann Arbor, Mich.
The Telencephalon of Alligator Mississippiensis.

1917 Marion Hines (Mrs. Leonard Loeb), Instructor in Anatomy, University of Chicago, Chicago, Ill.
Studies in the Growth and Differentiation of the Telencephalon. I. The Fissura Hippocampi.

1918 Percival Bailey, Assistant Resident, Peter Bent Brigham Hospital, Boston, Mass.
The Morphology of the Roof-Plate of the Forebrain and the Lateral Choroid Plexuses in the Human Embryo.

Elbert Clark, Physician, Chicago, Ill.
Regeneration of Medullated Nerves in the Absence of Embryonic Nerve Fibers Following Experimental Non-traumatic Degeneration.

1919 Luther Sherman Ross, Professor of Zoölogy, Drake University, Des Moines, Iowa.
Cytology of Large Nerve Cells of the Crayfish (Cambarus).

1921 Fredric Max Nicholson, Division of Pathology and Bacteriology, Rockefeller Institute, New York, N.Y.
The Changes in Amount and Distribution of the Iron-containing Proteins of Nerve Cells Following Injury to Their Axones.

## PHYSIOLOGY

1896 Elizabeth Cooke, San Diego Normal School, San Diego, Cal.
Investigations in the Asmotic Properties of the Muscle.

Samuel Steen Maxwell, Professor of Physiology, University of California, Berkeley, Cal.
Contributions to the Nerve Physiology of Annelids.

1897 Elias Potter Lyon, Professor of Physiology and Dean of Medical School, University of Minnesota, Minneapolis, Minn.
A Contribution to Animal Geotropism.

†Jeanette Cora Welch.
On the Measurement of Mental Activity through Muscular Activity.

1898 William Douwes Zoethout, Professor of Physiology, Bennett Medical School, Chicago, Ill.
The Physiological Effects of High Temperatures and Lack of Oxygen upon Lower Organisms.

1899 †Wesley Walker Norman.
The Reaction of Lower Animals upon Injuries and the Theory of Pain Sensations.

† Deceased.

1900 Walter Eugene Garrey, Professor and Head of the Department of Physiology, Tulane University, New Orleans, La.
The Effect of Ion upon the Aggregation of Infusoria.

1901 Anne Moore, Writer, 3 Banks St., New York City.
The Effect of Electrolytes on Rigor Mortis.

1902 †Arthur White Greeley.
Studies on the Effects of Low Temperatures upon Morphogenetic Processes.

Charles Hugh Neilson, Professor of Medicine, St. Louis University, St. Louis, Mo.
The Hydrolysis and Synthesis of Fats by Platinum Black.

Ralph Waldo Webster, Assistant Professor of Medical Jurisprudence, Rush Medical College, Chicago, Ill.
On Osmotic and Ionic Effects in the Absorption of Liquids by Animal Tissues.

1905 Orville Harry Brown, Physician, Phoenix, Ariz.
The Effects of Certain Salts on Kidney Excretion with Special Reference to Glycosuria.

Russell Burton Opitz, Associate Professor of Physiology, Columbia University, New York, N.Y.
The Periodic and Irregular Variations in the Venous Blood-Flow.

1907 Charles Claude Guthrie, Professor of Physiology, University of Pittsburgh, Pittsburgh, Pa.
The Relation of Pressure in the Coronary Vessels to the Activity of the Isolated Heart and Some Closely Related Problems.

Frank Henry Pike, Associate Professor of Physiology, Columbia University, New York, N.Y.
The Resuscitation of the Respiratory and Other Bulbar Nervous Mechanisms, with Special Reference to the Question of Their Automaticity.

1908 Wales Harrison Packard, Professor and Head of the Department of Biology, Bradley Polytechnic Institute, Peoria, Ill.
On Resistance to Lack of Oxygen in Animals.

1909 Frank Christian Becht, Professor of Physiology and Pharmacology, Northwestern University Medical School, Chicago, Ill.
The Concentration of Hemopronius and Related Hadeis in the Various Body Fluids of Normal and Immune Animals.

James Richard Greer, Instructor in Medicine, Rush Medical College, Chicago, Ill.
The Concentration of Bacterial Opsohins and Related Bodies in the Various Body Fluids of Normal and Immune Animals.

Walter Joseph Meek, Professor of Physiology, University of Wisconsin, Madison, Wis.
Physiological Restoration and Anatomical Regeneration of the Small Intestine after Transection.

1911 Clyde Richard Brooks, Professor of Physiology and Dean of the Medical School, University of Alabama, University, Ala.
The Effect of Lesions of the Dorsal Nerve on the Reflex Excitability of the Spinal Cord.

Arno Benedict Luckhardt, Associate Professor of Physiology, University of Chicago, Chicago, Ill.
The Relation of the Spleen to the Fixation of Antigens and the Production of Immune Bodies.

1913 Ole Olufson Stoland, Professor of Physiology, University of Kansas, Lawrence, Kan.
The Influence of Parothyroid Tetany on the Liver and the Pancreas.

† Deceased.

1913 Arthur Lawrie Tatum, Assistant Professor of Pharmacology, University of Chicago, Chicago, Ill.
Studies in Experimental Cretinism.

1914 Charles Edwin King, Acting Professor of Physiology and Pharmacology, Vanderbilt University, Nashville, Tenn.
The Origin of the Diastases of the Blood and the Lymph.

1915 Harvey Raymond Basinger, Physician, Mountain Lake, Minn.
The Control of Experimental Cretinims.

Walter Lee Gaines, Professor of Milk Production, University of Illinois, Urbana, Ill.
A Contribution to the Physiology of Lactation.

Franklin Chambers McLean, Professor and Head of the Department of Medicine, Peking Union Medical College, Peking, China.
The Laws Governing the Rate of Excretion of Urea and Chlorides in Man.

1916 Clara Jacobson, Physician, 7556 Saginaw Ave., Chicago, Ill.
Studies on the Physiology of the Parathyroid Glands.

Fred Terry Rogers, Professor of Physiology, Baylor University Medical College, Dallas, Tex.
The Hunger Mechanism of the Pigeon and Its Relation to the Central Nervous System.

1917 George Emanuel Burget, Professor and Head of the Department of Physiology, University of Oregon, Portland, Ore.
An Attempt to Produce Experimental Thyroid Hyperplasia.

Maurice Holmes Rees, Professor and Head of the Department of Physiology, University of Colorado, Boulder, Colo.
The Influence of Pituitary Extract on the Daily Output of Urine.

George Fred Sutherland, Interne, Presbyterian Hospital, Chicago, Ill.
Studies on Gastric Secretion.

1918 Andrew Conway Ivy, Assistant Professor of Physiology, Loyola University, Chicago, Ill.
Studies in Gastric Ulcer. 1. The Occurrence of Ulcer and Other Pathological Conditions in the Stomach and Duodenum of the Dog. 2. The Experimental Production of Chronic Ulcer. 3. The Relation of the Location of the Ulcer to Motility. 4. Is the Hypermotility of the Stomach in Duodenal Ulcer of Extrinsic or Intrinsic Origin?

1919 Emma Anna Kohman (Mrs. A. C. Ivy), 817 S. Springfield Ave., Chicago, Ill.
The Experimental Production and Control of Hunger Edema.

1920 Lester Reynold Dragstedt, Assistant Professor of Physiology, University of Chicago, Chicago, Ill.
Studies in Acute Intestinal Obstruction.

Thomas Leon Patterson, Professor and Head of the Department of Physiology, Detroit Medical College, Detroit, Mich.
Studies on Gastric Hunger Contractions in Amphidia and Reptilia.

Bernard Raymund, Instructor in English, Ohio State University, Columbus, Ohio.
Alkali Reserve in Experimental Surgical Shock.

1921 Ralph Waldo Gerard, Professor of Physiology, University of South Dakota, Vermillion, S.D.
The Presence and Significance of Histomine in an Obstructed Bowel.

George Addison Talbert, Assistant Professor of Physiology, University of Nebraska, Omaha, Neb.
The Hydrogen Ion Concentration of Human Sweat. The Ash of Human Sweat Produced by Heat and Work.

## PHYSIOLOGICAL CHEMISTRY AND PHARMACOLOGY

1906 Hugh McGuigan, Professor of Pharmacology and Therapeutics, University of Illinois Medical School, Chicago, Ill.
Oxidations of Various Sugars in the Animal Body.

1909 Herbert Horace Bunzel.
The Mechanism of the Oxidation of Glucose by Bromine.

1912 Fred Conrad Koch, Associate Professor of Physiological Chemistry and Acting Chairman of the Department, University of Chicago, Chicago, Ill.
The Nature of the Iodine Complex in Thyreo-Globulin.

Shiro Tashiro, Associate Professor of Biochemistry, University of Cincinnati Medical School, Cincinnati, Ohio.
Chemical Change in Nerve Fiber during Passage of a Nerve Impulse.

1914 Mary Louise Foster, Professor of Biochemistry, Smith College, Northampton, Mass.
Studies on a Method for the Quantitative Estimation of Certain Groups in Phospholipins.

1916 Maud Leonora Menten, Assistant Professor of Pathology, University of Pittsburgh, Pittsburgh, Pa.
Alkalinity of the Blood in Malignant Disease and Other Pathological Conditions.

1918 Lloyd Kendrick Riggs, Chemist, Squibb and Sons, New Brunswick, N.J.
The Effect of Salts upon the Metabolism of Nerves.

1919 Esther Maud Greisheimer, Senior Medical Student, University of Minnesota, Minneapolis, Minn.
A Quantitative Study of the Effects Produced by Salts of Sodium, Potassium, Rubidium, and Calcium on Motor Nerve of Frog.

Karl Konrad Koessler, Associate Professor of Experimental Medicine, Otho S. A. Sprague Memorial Institute, Chicago, Ill.
A Michrochemical Colorimetric Method for Estimating Histidine. A Quantitative Colorimetric Method for the Separation of Histamine and Histidine. The Formation of Histamine by the Decarboxylation of Histadine by Bacillus Coli Communis.

Howard Martin Sheaff, Presbyterian Hospital, Chicago, Ill.
A Method for the Quantitative Estimation of Minute Amounts of Gaseous Oxygen and Its Application to Tissue Respiration.

Roger John Williams, Associate Professor of Organic Chemistry, University of Oregon, Eugene, Ore.
The Vitamine Requirement of Yeast. A Simple Biological Test for Vitamine.

1921 Harry Benjamin Van Dyke, Cook County Hospital, Chicago, Ill.
A Study of the Distribution of Iodine in the Thyroid Gland.

## BOTANY

1897 Charles Joseph Chamberlain, Professor of Morphology and Cytology, University of Chicago, Chicago, Ill.
Contributions to the Life History of Salix.

1898 William L. Bray, Professor and Head of the Department of Botany, and Dean of Graduate School, Syracuse University, Syracuse, N.Y.
The Xerophytic Flora of the Texas Plains.

Otis William Caldwell, Director, Lincoln School of Teachers College, Columbia University, New York, N.Y.
Morphology of Lemna, with Ecological Notes.

1898 Henry Chandler Cowles, Professor of Plant Ecology, University of Chicago, Chicago, Ill.
An Ecological Study of the Sand Dune Flora of Northern Indiana.

William Dayton Merrell, Professor of Biology, University of Rochester, Rochester, N.Y.
Contribution to the Life History of Silphium.

1899 Nels L. T. Nelson, Associate Professor of Biology, Agricultural and Mechanical College of Texas, College Station, Tex.
Revision of the North American Species of Solanum.

Robert Wilson Smith, Professor of Botany, McMaster University, Toronto, Canada.
A Contribution to the Life History of Isoetes.

1900 John Gaylord Coulter, Manager, Chateau Sandricourt, Meru, Oise, France.
A Contribution to the Life History of Sium.

Frank Lincoln Stevens, Professor of Plant Pathology, University of Illinois, Urbana, Ill.
The Compound Oosphere of Albugo Bliti.

1901 Anstruther Abercrombie Lawson, Professor of Botany, University of Sydney, Australia.
Studies on the Morphology of the Nucleus.

Burton Edward Livingston, Professor of Plant Physiology, Johns Hopkins University, Baltimore, Md.; permanent secretary, American Association for the Advancement of Science.
The Development of the Profile of Equilibrium of the Subaqueous Shore Terrace.

Florence May Lyon (Mrs. Strong Vincent Norton), Birmingham, Mich.
The Development of the Sporangium and Gametophyte of Selaginella rupestris.

James Bertram Overton, Professor of Plant Physiology and Chairman of the Department of Botany, University of Wisconsin, Madison, Wis.
Parthogenesis in Thalictrum purpurascens.

1902 Theodore Christian Frye, Professor and Head of the Department of Botany, University of Washington, Seattle, Wash.
Fertilization and Attendant Phenomena in Asclepias and Acerates.

1903 †John Frederick Garber.
The Life History of Ricciocarpus natans.

George Mellinger Holferty, Central High School, St. Louis, Mo.
The Development and Phylogeny of the Archegonium of Bryum proliferum.

Harry Nicholas Whitford, Assistant Professor of Tropical Forestry, Yale University, New Haven, Conn.
The Ecological Relations of the Coniferous Forests of the Flathead Valley, Mont.

1904 Mintin Asbury Chrysler, Professor of Biology, University of Maine, Orono, Me.
The Development of the Central Cylinder in Araceae and Liliaceae.

Clifton Durant Howe, Dean and Professor of Forestry, University of Toronto, Toronto, Canada.
Reforestation on the Colchester-Essex Sand Plains.

William Jesse Goad Land, Associate Professor of Morphology, University of Chicago, Chicago, Ill.
A Morphological Study of Thuja.

†Deceased.

1904 William Burnet McCallum, Chief Botanist, International Rubber Co., Continental, Ariz.
Regeneration and Polarity in Plants.

George Harrison Shull, Professor of Botany and Genetics, Princeton University, Princeton, N.J.
A Second Contribution to the Establishment of Place-Constants for Aster prenanthoides Muhl at Clifton, Ohio.

Laetitia Morris Snow, Associate Professor of Botany, Wellesley College, Wellesley, Mass.
The Effects of External Agents on the Production of Root-hairs.

Robert Bradford Wylie, Professor of Plant Morphology and Head of the Department of Botany, University of Iowa, Iowa City, Iowa.
The Morphology of Elodea canadensis.

1905 Heinrich Hasselbring, Plant Physiologist, Bureau of Plant Industry, Washington, D.C.
Certain Problems of Assimilation.

Etoile Bessie Simons, In charge, Employment and Welfare Departments, Fred Harvey System, Chicago, Ill.
A Morphological Study of Sargassum filipendula.

1906 William Crocker, Director, Thompson Institute for Plant Research, Yonkers, N.Y.
The Rôle of Seed in Delayed Germination.

Hemming Gerhard Jensen, 815 Linden Avenue, Pullman, Wash.
Toxic Limits and Stimulation Effects of Some Salts and Poisons on Wheat.

Frances Grace Smith, Associate Professor of Botany, Smith College, Northampton, Mass.
Morphology of the Trunk and Development of the Microsporangum of Cycads.

1907 Lula Pace, Professor of Botany, Baylor University, Waco, Texas.
Fertilization in Cypripedium.

Reinhardt Thiessen, Chemist and Microscopist, U.S. Bureau of Mines, Pittsburgh, Pa.
The Vascular Anatomy of the Seedling of Dioon.

Shigéo Yamanouchi, Professor of Botany, Tokyo Higher Normal College, Tokyo, Japan.
A Study of Apogamy.

1908 Leonas Lancelot Burlingame, Associate Professor of Botany, Stanford University, Cal.
Staminate Cone of Podocarpus.

Reginald Ruggles Gates, Professor of Botany, University of London, King's College, London.
A Study of Reduction in Oenothera Rubrinerois.

LeRoy Harris Harvey, Professor and Head of the Department of Biology, Western Normal School, Kalamazoo, Mich.
The Prairie Grass Formation of Southeastern South Dakota.

Wanda May Pfeiffer (Mrs. Arthur G. Vestal), 301 Pope St., Palo Alto, Cal.
The Morphology of Leitneria Floridana.

Charles Houston Shattuck, Secretary-Treasurer, Eastern Idaho Loan and Trust Co., Idaho Falls, Idaho.
Origin of Heterospery in Marsilia.

Alma Gracey Stokey, Professor of Botany, Mount Holyoke College, South Hadley, Mass.
The Anatomy of Isoetes.

1909 Sister Helen Angela Dorety, Professor of Botany, St. Elizabeth College, Convent Station, N.J.
Anatomy of the Seedling of Ceratozamia.

Nielsine Johanna Kildahl, 3336 Longfellow Avenue, Minneapolis, Minn.
The Morphology of Phyllocladus.

Edith Minot Twiss, Associate Professor of Botany, Vassar College, Poughkeepsie, N.Y.
Prothallia of Aneimia and Lygodium.

1910 Charles Orval Appleman, Professor of Plant Physiology, University of Maryland, Baltimore, Md.
Some Observations on Catalase.

Grace Miriam Charles, Assistant Professor of Botany, University of Kansas, Lawrence, Kan.
The Anatomy of the Sporeling of Marattia alata.

†Mary Sophie Young.
Morphology of the Podocarpineae.

1911 Grace Lucretia Clapp, Head of the Department of Botany, Milwaukee-Downer College, Milwaukee, Wis.
The Life History of Aneura pinguis.

William Skinner Cooper, Assistant Professor of Plant Physiology and Ecology, University of Minnesota, Minneapolis, Minn.
The Climax Forest of Isle Royale, Lake Superior.

Sophia Hennion Eckerson, Research Assistant, Thompson Institute for Plant Research, Yonkers, N.Y.
A Physiological and Chemical Study of After-Ripening.

Anna Morse Starr, Associate Professor of Botany, Mount Holyoke College, South Hadley, Mass.
Comparative Anatomy of Dune Plants.

1912 Melvin Amos Brannon, President, Beloit College, Beloit, Wis.
The Action of Salton Sea Water on Plant Tissues.

Laura Campbell Gano (Mrs. Jerome McNeill), Lake Thanotassee, Fla.
The Physiographic Ecology of Northern Florida.

Stella Mary Hague, Instructor in Botany, University of Illinois, Urbana, Ill.
A Morphological Study of Diospyros virginiana.

Ansel Francis Hemenway, Professor and Head of the Department of Biology, Transylvania College, Lexington, Ky.
The Phloem of Dicotyledons.

Lester Whyland Sharp, Professor of Botany, Cornell University, Ithaca, N.Y.
Spermatogenesis in Equisetum.

1913 Winfred McKenzie Atwood, Associate Professor of Botany, State Agricultural College, Corvallis, Ore.
A Physiological Study of the Germination of Avena fatua.

George Damon Fuller, Assistant Professor of Ecology, University of Chicago, Chicago, Ill.
Evaporation and Soil Moisture in Relation to the Succession of Plant Associations.

John Benjamin Hill, Professor of Botany, State College of Pennsylvania, State College, Pa.
The Anatomy of Six Epiphytic Species of Lycopodium.

† Deceased.

1913 Lee Irving Knight, Professor of Plant Physiology and Chairman of the Department of Botany, University of Minnesota, Minneapolis, Minn.
A Study of the Dormancy in Buds of Liriodendron Tulipifera.

John Nathan Martin, Professor of Botany, Iowa State College, Ames, Iowa.
Comparative Morphology of Some Leguminosae.

Loren Clifford Petry, Associate Professor of Botany, Syracuse University, Syracuse, N.Y.
The Anatomy of Ophioglossum pendulum.

Norma Etta Pfeiffer, Assistant Professor of Botany, University of North Dakota, Grand Forks, N.D.
Morphology of Thismia (Bagnisia) americana, n. sp.

1914 Hannah Caroline Aase, Assistant Professor of Botany, State College, Pullman, Wash.
Vascular Anatomy of the "Megasporophyll" in Conifers.

George Smith Bryan, Assistant Professor of Botany, University of Wisconsin, Madison, Wis.
The Archegonium of Sphagnum subsecundum.

Joseph Stuart Caldwell, Physiologist, Bureau of Plant Industry, Washington, D.C.
A Study of the Effects of Certain Antagonistic Solutions upon the Growth of Zea Mays.

Edward Maris Harvey, Research Horticulturist, Oregon Experiment Station, Corvallis, Ore.
Some Effects of Ethylene on the Metabolism of Plants.

Florence Anna McCormick, Investigator, Connecticut Agricultural Experiment Station, New Haven, Conn.
A Study of Symphyogyna aspera.

George Burton Rigg, Associate Professor of Botany, University of Washington, Seattle, Wash.
Decay and Soil Toxins.

Eva Ormenta Schley, McKinley High School, Chicago, Ill.
Physical and Chemical Changes Involved in Geo-presentation and Geo-reaction.

James Palm Stober, Myerstown, Pa.
A Comparative Study of Winter and Summer Leaves of Various Herbs.

1915 Hermann Bacher Deutsch, *New Orleans Item*, New Orleans, La.
Effect of Light upon the Germination of the Spores of the True Ferns.

Sarah Lucinda Doubt, Acting Professor of Botany, Washburn College, Topeka, Kan.
Response of Plants to Illuminating Gas.

James Frederick Groves, Professor of Biology, Ripon College, Ripon, Wis.
Life Duration of Seeds.

Rachel Emilie Hoffstadt, Johns Hopkins Medical School, Baltimore, Md.
The Vascular Anatomy of Piper methysticum.

Andrew Henderson Hutchinson, Professor and Head of the Department of Botany, University of British Columbia, Vancouver, B.C.
Fertilization in Abies balsamea.

Millard S. Markle, Professor of Biology, Earlham College, Richmond, Ind.
The Root Systems of Certain Desert Plants.

1915 Mabel Lewis Roe, Union High School, Anaheim, Cal.
The Development of the Conceptacle in Fucus.

Charles Albert Shull, Associate Professor of Plant Physiology, University of Chicago, Chicago, Ill.
Measurement of the Surface Forces of Soils.

Arthur Gibson Vestal, Assistant Professor of Biology, Stanford University, Cal.
The Phytogeography of the Eastern Mountain-Front in Colorado.

1916 Frank Earl Denny, Associate Chemist, U.S. Department of Agriculture, Los Angeles, Cal.
Permeability of Certain Plant Membranes to Water.

Alphaeus William Dupler, Registrar and Professor of Biology, Juniata College, Huntingdon, Pa.
The Gametophytes of Taxus canadensis Marsh.

Wright Austin Gardner, Professor of Botany, Alabama Polytechnic Institute, Auburn, Ala.
The Effect of Light on the Germination of Seeds.

Leslie Alva Kenoyer, Professor of Biology, Ewing Christian College, Alahabad, India.
Environmental Influences of Nectar Secretion.

George Konrad Karl Link, Pathologist, Department of Agriculture, Bureau of Markets, Chicago, Ill.
A Physiological Study of Fusarium in Relation to Potato Disease.

Edith Adelaide Roberts, Professor and Head of the Department of Botany, Vassar College, Poughkeepsie, N.Y.
The Epidermal Cells of Roots.

Earl Edward Sherff, Robert Lindblom High School, Chicago, Ill.
Studies in the Genus Bidens.

1917 Arthur Lawrence Bakke, Associate Professor of Plant Physiology, Iowa State College, Ames, Iowa.
Studies upon the Determination of Wilting by the Use of Standardized Hygrometric Paper.

John Theodore Buchholz, Professor and Head of the Department of Botany, University of Arkansas, Fayetteville, Ark.
The Suspensor and Early Embryo of Pinus.

Harold Dudley Clayberg, Professor of Biology, College of St. Thomas, St. Paul, Minn.
Physiographic Ecology of Walloon Lake, Petoskey Region.

Winfield Scott Dudgeon, Professor of Botany, Ewing Christian College, Allahabad, India.
The Morphology of Rumex crispus.

Ezra Jacob Kraus, Research Professor of Applied Botany, University of Wisconsin, Madison, Wis.
Vegetation and Reproduction, with Special Reference to the Tomato (Physiological and Horticultural Aspects).

Henry Reist Kraybill, Professor and Head of Agricultural Chemistry, New Hampshire Agricultural College, Durham, N.H.
Vegetation and Reproduction, with Special Reference to the Tomato (Chemical Aspects).

Wilfred William Robbins, Botanist, Office of Cereal Investigation, State Capitol Annex, Madison, Wis.
Successions of Vegetation in Boulder Park, Colorado.

Dean Humboldt Rose, Pathologist, Department of Agriculture, Bureau of Markets, Chicago, Ill.
Oxidase Activity and Chemical Composition of Healthy and Diseased Apple Bark.

1917 Rial Catlin Rose, Inspection Service, Bureau of Markets, Cincinnati, Ohio.
Conditions and Microchemistry of Germination of the Seeds of Tilia, Sambucus, and Rubus.

Mandayam A. Sampathkumaran, Professor of Botany, Central College, Bangalore, South India.
Stelar Cambium and Its Derivatives.

Homer Cleveland Sampson, Assistant Professor of Botany, Ohio State University, Columbus, Ohio.
Chemical Changes Accompanying Abscission in Coleus Blumei.

Warren Gookin Waterman, Assistant Professor of Botany, Northwestern University, Evanston, Ill.
The Development of Root Systems under Dune Conditions.

Bertram Whittier Wells, Professor of Botany, North Carolina College of Agriculture, Raleigh, N.C.
A Survey of the Zoocecidia of Northeastern United States and Eastern Canada.

1918 James Elias Cribbs, Professor of Biology, Drury College, Springfield, Mo.
A Comparative Study of the Foliar Transpiring Power of Tilia americana.

Arthur Thompson Evans, Associate Agronomist, South Dakota State College, Brookings, S.D.
The Embryo-Sac and Embryo of Pentstemon secundiflorus Benth.

Rodney Beecher Harvey, Associate Professor of Plant Physiology, University of Minnesota, University Farm, St. Paul, Minn.
The Hardening Process in Plants and the Developments from Frost Injury.

Henry Albert Jones, Professor of Vegetable Gardening, University of Maryland, College Park, Md.
Studies on the Seeds of the River Maple (Acer saccharinum L.) and the Sugar Maple (Acer saccarum Marsh).

Thomas Guthrie Phillips, Assistant Professor of Agricultural Chemistry, Ohio State University, Columbus, Ohio.
Physical and Chemical Changes during Geotropic Response.

Frank Milton Schertz, Biochemist, Bureau of Plant Industry, Washington, D.C.
Chemical Studies on the Relation of Nitrogen to Mottling in Coleus.

Harlow Leslie Walster, Agronomist and Chairman of the Department of Agronomy, Experiment Station, Agricultural College, N.D.
The Formative Effects of High Temperature upon the Growth of Barley.

Wanda Weniger, Plant Pathologist, Experiment Station, Agricultural College, N.D.
Fertilization in Lilium.

1919 Merle Crowe Coulter, Assistant Professor of Botany, University of Chicago, Chicago, Ill.
Inheritance of Endosperm Characters in Corn.

Arthur Wing Haupt, Professor of Biology, St. Lawrence University, Canton, N.Y.
The Life History of Fossombronia cristula.

LaDema Mary Langdon, Instructor in Biology, Goucher College, Baltimore, Md.
The Stem Anatomy of Dioon spinulosum.

Aravilla Meek Taylor, Assistant Professor of Biology, Sophie Newcomb College, Tulane University, New Orleans, La.
Ecological Succession of Mosses.

1919 John James Willaman, Assistant Professor of Agricultural Biochemistry, University of Minnesota, St. Paul, Minn.
The Function of Vitamine in the Metabolism of Sclerotinia cinerea.

1920 Helen Ashhurst Choate, Assistant Professor of Botany, Smith College, Northampton, Mass.
A Study of Certain Chemical Changes Occurring in Wheat during Germination.

Scott Verne Eaton, Instructor in Botany, University of Chicago, Chicago, Ill.
Sulphur Content of Soils and Its Relation to Plant Nutrition.

Howard deForest, Head of the Department of Science, Indianapolis Normal School, Indianapolis, Ind.
The Plant Ecology of the Rock River Woodlands of Ogle County, Illinois.

Dean Alvin Pack, Sugar Plant Investigations, Department of Agriculture, Salt Lake City, Utah.
After-Ripening and Germination of Juniper Seeds.

Hope Sherman, 605 Jackson Street, Milwaukee, Wis.
The Respiration of Dormant Seeds.

Perry Daniel Strausbaugh, Professor of Botany, Wooster College, Wooster, Ohio.
A Study of Dormancy in the Plum.

1921 Hugo Leander Blomquist, Assistant Professor of Biology, Trinity College, Durham, N.C.
A Contribution to the Study of the Vascular Anatomy of Angiopteris evecta.

Fred Wilbert Emerson, Professor and Head of the Department of Biology, Penn College, Oskaloosa, Iowa.
The Subterranean Organs of Bog Plants.

## PATHOLOGY

1903 Harry Gideon Wells, Professor of Pathology, University of Chicago, Chicago, Ill.; Director of the Otho S. A. Sprague Memorial Institute.
Studies in Fat Necrosis.

1905 David John Davis, Professor and Head of the Department of Pathology and Bacteriology, University of Illinois College of Medicine, Chicago, Ill.
Bacteriology of Whooping Cough.

1907 Gustav Ferdinand Ruediger, Director of Laboratory, Los Angeles, Cal.
Mechanism of Natural and Acquired Streptococcus Immunity.

1908 Liborio Gomez y Piñeda, Chief of Biological Division, Bureau of Science, Manila, P.I.
Studies in Rocky Mountain Spotted Fever.

1910 Benjamin Franklin Davis, Chief of Surgery, Academy of Clinical Medicine, Duluth, Minn.
The Immunological Reactions of Oidiomycosis (Blastomycosis) in the Guinea Pig.

1911 Harry John Corper, Director of Laboratories of the National Jewish Hospital for Consumptives, Denver, Colo.
The Chemistry of the Spleen under Normal and Pathological Conditions.

Eugene Franklin McCampbell, Dean and Professor of Preventive Medicine, Ohio State University, Columbus, Ohio.
Toxic and Antigenic Properties of *B. welchii*.

1911 Russell Morse Wilder, Physician, Mayo Clinic, Rochester, Minn.
The Problem of Transmission in Typhus Fever.

1913 Aaron Arkin, Professor of Pathology and Bacteriology, Medical School, University of West Virginia, Morgantown, W.Va.
The Influence of Chemical Substances on Immune Reactions.

†George Lester Kite.
Studies on the Permeability of the Internal Cytoplasm of Animal and Plant Cells.

1914 Edwin Frederick Hirsch, Director of Laboratories, St. Luke's Hospital, Chicago, Ill.
An Experimental Study of the Influence of Iodin and Iodids on the Absorption of Granulation Tissue and Fat-free Tubercle Bacilli.

1915 Julian Herman Lewis, Associate Member of the Otho S. A. Sprague Memorial Institute, Chicago, Ill.
The Inhibitory Action of Heterologous Mixtures on Anaphylaxis.

1916 Oscar Jacob Elsesser, Pathologist and Director of Chemical Laboratory, Freeport, Ill.
The Specificity of the Abderhalden Reaction.

1917 Harry Lee Huber, Assistant Member of the Otho S. A. Sprague Memorial Institute, Chicago, Ill.
The Pharmacology and Toxicology of Copper Salts of Amino Acids.

1918 George Thomas Caldwell, Professor of Pathology, Baylor University, Medical College, Dallas, Tex.
Chemical Changes in Tuberculous Tissues.

Emanuel Bernard Fink, Resident, Cook County Hospital, Chicago, Ill.
Antigentic Properties of Proteoses.

Gleason Chandler Lake, United States Public Health Service, Washington, D.C.
Immune Reactions of Proteins of Human Placenta.

1919 Esmond Ray Long, Assistant Professor of Pathology, University of Chicago, Chicago, Ill.
Some Phases of Normal and Abnormal Purine Metabolism in Man and Domestic Animals.

## HYGIENE AND BACTERIOLOGY

1900 †Howell Emlyn Davies.
The Occurrence of the Typhoid Bacillus in the Urine of Typhoid Fever Patients.

1903 Mary Hefferan, Vice-President and Director, D. A. Blodgett Home for Children, Grand Rapids, Mich.
A Comparative and Experimental Study of Bacilli Producing Red Pigment.

1907 Paul Gustav Heineman, Director of Laboratories, United States Standard Products Co., Woodworth, Wis.
The Kinds of Bacteria Concerned in the Souring of Milk.

1908 Robert Earle Buchanan, Dean of Division of Industrial Science, Professor of Bacteriology and Hygiene, and Bacteriologist of the Iowa Agricultural Experiment Station, Iowa State College, Ames, Iowa.
The Morphology of Bacillus Radicicola.

†Herbert Marcus Goodman.
Experimental Studies on Diphtheric Immunity.

1910 Thomas Haigh Glenn, Physician, Los Angeles, Cal.
Variation and Carbohydrate Metabolism of Bacilli of the Proteus Group.

† Deceased.

1912 Ernest Edward Irons, Associate Professor of Medicine, Rush Medical College, Chicago, Ill.
Cutaneous Allergy in Gonococcal Infections.

1916 William Ernest Cary, Physician, 104 South Michigan Ave., Chicago, Ill.
Studies on Virulence and Toxin Formation in B. diphtheriae.

Emery Roe Hayhurst, Professor of Hygiene and Head of the Department of Public Health, Ohio State University, Columbus, Ohio.
Industrial Health-hazards and Occupational Diseases in Ohio.

1917 Enrique Eduardo Ecker, Instructor in Immunology, Western Reserve University, and Assistant Visiting Immunologist to the Lakeside Hospital, Cleveland, Ohio.
The Pathogenic Effect and Nature of a Toxin Produced by B. paratyphosus B.

1918 Walter George Sackett, Bacteriologist, Colorado Agricultural Experiment Station, Fort Collins, Colo.
The Connection of Milk Sickness with the Poisonous Qualities of White Snakeroot (Eupatorium Urticaefolium).

1919 Ida Albertina Bengtson, Bacteriologist, Hygienic Laboratory, United States Public Health Service, Washington, D.C.
The Proteus Group of Organisms with Special Reference to Agglutination and Fermentation Reactions and to Classification.

Benjamin Junior Clawson, Assistant Professor of Pathology, University of Minnesota Medical School, Minneapolis, Minn.
Varieties of Streptococci with Special Reference to Constancy.

Frederick William Mulsow, Assistant Professor of Bacteriology and Pathology, University of Iowa, Iowa City, Iowa.
A Comparative Study of Bacillus pullorum and Bacillus sanguinarium.

1920 Bernard Wernick Hammer, Professor of Dairy Bacteriology, Iowa State College, Ames, Iowa.
The Volatile Acid Production of S. Lacticus and the Organisms Associated with It in Starters.

1921 Paul Roberts Cannon, Professor of Pathology and Bacteriology, University of Mississippi Medical School, University, Miss.
The Effects of Diet upon the Intestinal Flora.

John Everett Gordon, Associate Professor of Bacteriology, Western University Medical School, London, Ontario.
1. The Relationship of the Pneumococcus to Acute Infections of the Upper Respiratory Tract in Man. 2. The Gram Negative Cocci in "Colds" and Influenza.

Ivan Clifford Hall, Associate Professor of Bacteriology, University of California, Berkeley, Cal.
Studies in Anaerobes.

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| **Social Science Group:** | | |
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| History | 60 | |
| Sociology and Anthropology | 52 | |
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| | | 313 |
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| Deceased | | 52 |
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